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# 1989

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Volume 1

Côte de l'Atlantique et baie de Fundy

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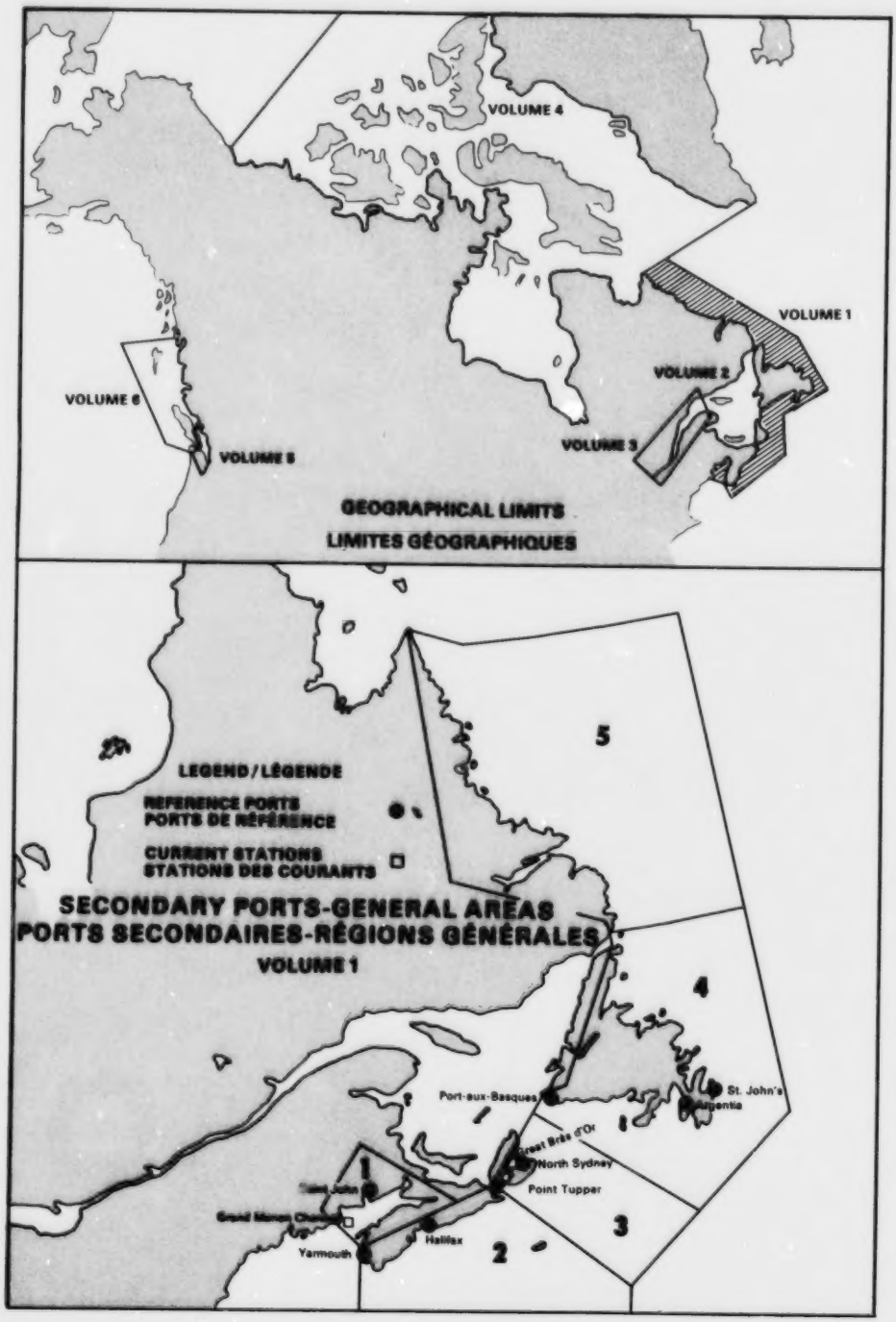
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Volume 1
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Scientific Excellence
Resource Protection & Conservation
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Department of Fisheries and Oceans
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# Introduction

## PRACTICAL INFORMATION

### Tide Tables

Times and heights are predicted and tabulated as daily tables for all reference ports. The "heights in feet" columns are shaded to distinguish them from the "heights in metres" columns.

### Current Tables

The times and rates of maximum current velocity, or the time of slack water when the direction of the current turns, are predicted and tabulated as daily tables for all current stations. Fluctuations in the horizontal movement of water due to meteorological conditions may prolong the duration and increase the flow of the current in one direction and have the opposite effect when the direction is reversed. The current may, therefore, not turn exactly when predicted, but at these times the rate will be relatively weak.

Throughout these tables current directions are indicated by ( + ) when the tidal stream is setting toward an area of rising tide or ( − ) when setting toward an area of falling tide, except at Great Bras d'Or where these signs differentiate between current directions only.

### Maps

The upper map on the inside front cover shows the boundaries and the numbers of all the volumes in the Canadian Tide and Current Table series.

The lower map denotes the general areas in which the secondary ports are grouped. These areas are numbered consecutively signifying the geographical sequence of reference and secondary ports throughout the volume. This map also indicates the locations of the reference ports and current stations.

### Areas and Localities

In Table 3, Secondary Ports Information and Tidal Differences, each general area title includes a descriptive name in addition to its consecutive number. This facilitates locating each area and all the data available.

Within these general areas, all secondary ports are arranged and listed by locality.

### Geographical Names and Co-ordinates

Throughout these tables the names given for reference and secondary ports are, as far as possible, those approved by the Canadian Permanent Committee on Geographical Names.

The geographical co-ordinates listed in Tables 1, 2 and 3 are those of the original tide gauge locations and should be used whenever their precise positions are required. The geographical names associated with those co-ordinates have been selected from the nearest prominent place or physical feature. Hence, the geographical co-ordinates and names may not relate exactly to each other.

### Instructions and Examples

Instructions and examples are given which show the method to be used to predict the times and heights at secondary ports, and to calculate intermediate times and heights at both reference and secondary ports. Fictitious information is used throughout these examples.

### Definitions

*Reference Ports or Reference Current Stations* are those for which predictions are published in the form of daily tables for either times and heights or times of turns and maximum current velocities and maximum rates.

*Secondary Ports or Secondary Current Stations* are those for which differences are published for either times and heights or times of turns.

*Differences* are the adjustments which are applied to the predictions at a reference port or reference current station to obtain predictions at a secondary port or secondary current station.

*Time Zones* of predictions for reference and secondary ports are usually in the standard time kept in that area. It is indicated in the heading of the daily prediction tables by the suffix (Z) after each name, accompanied by the initials and numbers of the zone, and by the figure in the time zone column of Tables 1 and 3. The ( + ) sign indicates that by adding to standard time the number of hours corresponding to the time zone, Greenwhich Mean Time is obtained.

The standard time zones represented by these initials and figures are as follows:

| | | |
|---|---|---|
| N.S.T. | Z + 3½ | Newfoundland Standard Time |
| A.S.T. | Z + 4 | Atlantic Standard Time |
| E.S.T. | Z + 5 | Eastern Standard Time |
| C.S.T. | Z + 6 | Central Standard Time |
| M.S.T. | Z + 7 | Mountain Standard Time |
| P.S.T. | Z + 8 | Pacific Standard Time |

To convert predictions into daylight time, add one hour.

*Datum* of predictions for both reference and secondary ports is, unless otherwise stated, the same as Chart Datum in that area. Chart Datum is, by international agreement, a plane below which the tide will seldom fall. The Canadian Hydrographic Service has adopted the plane of lowest normal tides as Chart Datum.

*Height of tide* is the vertical distance between the surface of the sea and Chart Datum. The total depth of water is found by adding the height of tide to the charted depth. For example, at a place where the chart shows 20 feet and the predicted high water height is 10 feet, then the actual depth over the seabed at high water will be 30 feet.

In the case of some ports which are not navigable at low water and where vessels rest on keel blocks, or mattresses, during low tide, the heights of the tide are measured from those keel blocks or mattresses.

*Mean tide range* is the difference between the heights of higher high water and lower low water at mean tides.

*Large tide range* is the difference between the heights of higher high water and lower low water at large tides.

*Mean water level* is the height above Chart Datum of the mean of all hourly observations used for the tidal analysis at that particular place.

### Tidal Data on Canadian Hydrographic Service Charts

Most charts published by the Canadian Hydrographic Service include datum and, if appropriate, tidal information. The tidal information panel contains, for specified places, the heights of higher high water and lower low water at mean and large tides. These heights are referred to Chart Datum. This information is intended as a guide to the approximate height of tide at these places. If more accurate predictions are required the tide tables should be consulted.

The elevation of mean water level is also given in the panel. This should not be confused with Canadian Geodetic Datum as the value of mean water level may change with time.

### Additional Information

These tables contain the latest information available prior to going to press. Additional information or amendments which become available before the 1st of November of the previous year will be published in Canadian *Notices to Mariners*, Weekly Edition No. 46. Any later amendments will be published in *Notices to Mariners*, as required.

### Revisions

To facilitate the revision and improve the accuracy or utility of these tables, mariners, harbour authorities, surveyors, engineers and all other users are invited to submit information relative to any of the following: misprints, appreciable variations between predicted and observed tide levels, extreme tide levels, improvements to the tables and details of privately operated automatic tide gauges.

*Note: The Canadian Hydrographic Service will supply, on request, information concerning the installation and operation of automatic tide gauges.*

All communications should be addressed to the Canadian Hydrographic Service, Ottawa, Ont., or to the regional offices in Dartmouth, N.S., Québec, QC, Burlington, Ont., or Sidney, B.C.


### Acknowledgements

These tables and predictions for Canadian waters have been prepared by the Marine Environmental Data Service, Marine Sciences and Information Directorate, Ocean Science and Surveys. Where appropriate, predictions for United States waters have been obtained from the United States Department of Commerce under an international reciprocal agreement.



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## THEORETICAL INFORMATION

### Types of Tide

*Semi-diurnal tide (SD)* — Two complete tidal oscillations daily, both high waters having similar heights as well as both low waters. The two high waters of the day follow the upper and lower transits of the moon by nearly the same interval.

*Mixed, mainly semi-diurnal tide (MSD)* — Two complete tidal oscillations daily with inequalities both in height and time reaching the greatest values when the declination of the moon has passed its maximum.

*Mixed, mainly diurnal tide (MD)* — Usually, and certainly when the moon has low declination, there are two complete tidal oscillations daily. The inequalities in the heights of successive high or low waters and the corresponding time intervals are very marked.

*Diurnal tide (D)* — One complete tidal oscillation daily.

### Accuracy of Predictions

*Reference Ports* — The accuracy of the predictions for reference ports depends on the quantity and quality of the tidal constants used to compute them. These in turn are directly related to the length of the period of observations used in the tidal analysis from which the constants were derived. Whenever the period of record permits, observations extending over at least one year are used.

*Secondary Ports* — The accuracy of the tidal differences for secondary ports also depends on the quality of the tidal constants used to compute them, as described for reference ports. In most cases, however, the period of observations does not extend over one month and may be less. Their quality is, therefore, affected by the amount the tide levels fluctuated from normal, during that period, on account of meteorological conditions.

In addition, their accuracy is very dependent on the similarity between the characteristics of the tide at the secondary and reference ports. The tides at no two places in the world are identical so that even when their characteristics are similar, the secondary port predictions made by applying tidal differences can never be considered as accurate as the full predictions made for a reference port.

For practical reasons, however, every effort has been made to compare reference and secondary ports which have similar tidal characteristics. Because of the relatively small number of reference ports available this has not always been possible. However, the inaccuracies thus created are usually less than those caused by fluctuations in the tide levels due to meteorological conditions.

### Meteorological Effects on Tide Levels

The predicted levels published for reference ports are of a tidal oscillation or rise and fall above and below the mean water level.

Meteorological conditions, such as strong or prolonged winds, abrupt changes in barometric pressure, or prolonged periods of very high or very low pressures, introduce fluctuations in the water level. The high and low water heights which actually occur are the result of the predictable tidal oscillations together with fluctuations of meteorological origin which cannot be forecast in advance. Thus, if the water level has been raised by meteorological conditions, both the high and the low water heights will be higher than predicted and vice versa. A change in meteorological conditions, however, is never so rapid that a high water, raised by earlier conditions, would be followed by a low water lowered by the changed conditions. The same is true concerning low water followed by high water. The extreme levels tabulated for each reference port have invariably been reached under quite different circumstances at widely separated periods of time.

# Calculation

## of Intermediate Times or Heights

This table is primarily intended for finding the height of the tide at a reference port at any specified time between the predicted levels, or the time at which a specified height is reached. It will give reasonably accurate results at all reference ports in Canadian waters when the duration of rise or fall is within the tabulated limits (see paragraph "Interpolation"). It may also be used at secondary ports, with less accuracy, when the appropriate times and heights have been calculated.

## Instructions and Examples

Height at a specified time

To calculate the height of the tide at Bay Head on 2nd July at 1720:

1. From the daily tables note the time and heights preceding and succeeding the specified time (1720) and obtain:

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (14.8 – 0.8 = 14.0)

c) the time interval between the specified time and the time of the nearest predicted level (1720 – 1600 = 1 20)

2. In the Duration column of the table find the duration calculated in 1a(6 30) and follow the horizontal line of figures until the time interval closest to that calculated in 1c (1 20) is reached. Note the column number (column 2). (Follow the *)

3. In the Range column of the table find the range calculated in 1b (14.0) and follow the horizontal line of figures to the same numbered column as found in 2 (column 2). Note the figure in this column (1.4). (Follow the *)

4. This figure is the difference between the height required and the height of the predicted level from which the time interval was calculated in 1c (1600 0.8). It should be subtracted from this height if the higher of the levels was used or added if the lower was used (0.8 + 1.4 = 2.2). The result is the height of the tide specified.

Calculated height: 2.2 ft.

*Note: To use this table for tides with a range greater than 30 feet, the calculated value of the Range, 1b, must be halved and the Height Difference, taken from the table, must be doubled.*

# BAY HEAD (EST Z-5)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0252 | **1.2** | 4 | 16 | 0355 | **3.2** | 1.0 |
| | 0910 | **14.7** | 4.5 | | 1025 | **13.4** | 4.1 |
| SU | 1510 | **.8** | .2 | MO | 1605 | **2.3** | .7 |
| DI | 2130 | **14.9** | 4.5 | LU | 2245 | **13.6** | 4.1 |
| 2 | 0335 | **1.2** | 4 | 17 | 0515 | **2.9** | .9 |
| | 1010 | **14.6** | 4.5 | | 1110 | **13.5** | 4.1 |
| MO | 1600 | **.8** | .2 | TU | 1740 | **2.6** | .6 |
| LU | 2230 | **14.8** | 4.5 | MA | 2335 | **13.8** | 4.2 |
| 3 | 0420 | **1.4** | .4 | 18 | 0555 | **2.7** | .8 |

Time at a specified height

To calculate the time at which the height of the rising afternoon tide at Bay Head on 2nd July will be 2.2 feet:

1. From the daily tables note the times and heights preceding and succeeding the specified height (2.2 ) and obtain:

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (14.8 – 0.8 = 14.0)

c) the height difference between the height specified and the nearest predicted level (2.2 – 0.8 = 1.4)

2. In the Range column of the table find the range calculated in 1b and follow the horizontal line of figures until the height difference closest to that calculated in 1c is found. Note the column number (column 2). (Follow the *)

3. In the Duration column of the table find the duration calculated in 1a and follow the horizontal line to the same numbered column as that found in 2. Note the figure in this column (1 20). (Follow the *)

4. This figure is the Time Interval between the time required and the time of the predicted level from which the height difference was calculated in 1c (1600 0.8). If the lower of the levels was used in 1c, add the time interval on a rising tide and subtract it on a falling tide (1600 + 1 20 = 1720). If the higher of the levels was used subtract the time interval on a rising tide and add it on a falling tide. The result is the time at which the specified height will be reached.

Calculated time: 1720 hours.

*Note: To use this table for tides with a greater range than 30 feet, the calculated values of Range, 1b, and Height Difference, 1c, must be halved. The time interval extracted from the table should not be altered.*

## Table of Height Differences from Nearest Predicted Level

| Range | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| 1 | .1 | .1 | .2 | .2 | .3 | .3 | .4 | .4 | .5 | .5 |
| 2 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 |
| 3 | .2 | .3 | .5 | .6 | .8 | .9 | 1.1 | 1.2 | 1.4 | 1.5 |
| 4 | .2 | .4 | .6 | .8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 |
| 5 | .3 | .5 | .8 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 |
| 6 | .3 | .6 | .9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
| 7 | .4 | .7 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.8 | 3.2 | 3.5 |
| 8 | .4 | .8 | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 |
| 9 | .5 | .9 | 1.4 | 1.8 | 2.3 | 2.7 | 3.2 | 3.6 | 4.1 | 4.5 |
| 10 | .5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 |
| 11 | .6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.9 | 4.4 | 5.0 | 5.5 |
| 12 | .6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| 13 | .7 | 1.3 | 2.0 | 2.6 | 3.3 | 3.9 | 4.6 | 5.2 | 5.9 | 6.5 |
| 14* | .7 | 1.4* | 2.1 | 2.8 | 3.5 | 4.2 | 4.9 | 5.6 | 6.3 | 7.0 |
| 15 | .8 | 1.5 | 2.3 | 3.0 | 3.8 | 4.5 | 5.3 | 6.0 | 6.8 | 7.5 |
| 16 | .8 | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 |
| 17 | .9 | 1.7 | 2.6 | 3.4 | 4.3 | 5.1 | 6.0 | 6.8 | 7.7 | 8.5 |
| 18 | .9 | 1.8 | 2.7 | 3.6 | 4.5 | 5.4 | 6.3 | 7.2 | 8.1 | 9.0 |
| 19 | 1.0 | 1.9 | 2.9 | 3.8 | 4.8 | 5.7 | 6.7 | 7.6 | 8.6 | 9.5 |
| 20 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
| 21 | 1.1 | 2.1 | 3.2 | 4.2 | 5.3 | 6.3 | 7.4 | 8.4 | 9.5 | 10.5 |
| 22 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.6 | 7.7 | 8.8 | 9.9 | 11.0 |
| 23 | 1.2 | 2.3 | 3.5 | 4.6 | 5.8 | 6.9 | 8.1 | 9.2 | 10.4 | 11.5 |
| 24 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 |
| 25 | 1.3 | 2.5 | 3.8 | 5.0 | 6.3 | 7.5 | 8.8 | 10.0 | 11.3 | 12.5 |
| 26 | 1.3 | 2.6 | 3.9 | 5.2 | 6.5 | 7.8 | 9.1 | 10.4 | 11.7 | 13.0 |
| 27 | 1.4 | 2.7 | 4.1 | 5.4 | 6.8 | 8.1 | 9.5 | 10.8 | 12.2 | 13.5 |
| 28 | 1.4 | 2.8 | 4.2 | 5.6 | 7.0 | 8.4 | 9.8 | 11.2 | 12.6 | 14.0 |
| 29 | 1.5 | 2.9 | 4.4 | 5.8 | 7.3 | 8.7 | 10.2 | 11.6 | 13.1 | 14.5 |
| 30 | 1.5 | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi

## Interpolation

This is a general table for use with all ports and is based on the assumption that the tidal curve is a simple cosine curve. At most ports there is some distortion of the tidal curve. Where tides are small, therefore, interpolation is unnecessary when the calculated values of the duration, time interval, range and height difference do not coincide with those tabulated. Where the tides are large, however, interepolation is more desirable, but an estimate by eye is all that is justified by the ultimate accuracy of the prediction. When the duration or range of the tide are less than those tabulated in the calculation table, a direct arithmetic interpolation may be made.

## Conversion of Tidal Heights to Approximate Elevations Referred to Mean Sea Level

The height of tide may be converted to an approximate elevation above (+) or below (–) Mean Sea Level by subtracting the height of mean water level at the specified port from the calculated height of tide.

## Table of Time Intervals from Nearest Predicted Level

| Duration | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi

# Prediction

## of Tides at Secondary Ports

### Example

Predict the times and heights of the morning and afternoon tides on 1st July at fictitious port Rock Harbour (Standard Time).

### Instructions

Carry out instructions 1-7 by following the seven steps in the worked example at the foot of Column 2 of this page.

1. Locate the required port in Table 3, *Secondary Ports — Information and Tidal Differences*, and note its Time Zone.

2. In Table 3 note the time and height differences tabulated for this port. (See samples, page ix)

3. Note the name of the reference port which precedes it in Table 3.

4. Note the heights of mean and large tides for this reference port in Table 2, *Reference Ports*. (See samples, page ix)

5. Note the appropriate daily predictions for this reference port. (See sample on this page)

6. a) Select the appropriate time and height differences from 2. For practical purposes, the higher high water mean tide difference (e.g. 2.4) is used if the higher of the predicted levels from 5 (e.g. 10.0) is closer to the higher high water mean tide height from 4 (e.g. 8.0) than to the large tide height (e.g. 14.0) and vice versa. The mean tide difference is also used if the large tide difference is omitted. Lower low water differences are used in a similar manner for the lower of the predicted levels.

b) If both predicted levels from 5 are closer to the heights of high rather than low tide from 4, then the higher high water time and height differences should be used with both predicted times and levels. The lower low water time and height differences may also be used with both predicted times and levels under similar low tide conditions.

c) A more precise method of computing height differences is to interpolate between the height differences in 2 in the ratio determined by the position of the predicted level between the mean tide height and the large tide height. If the predicted level does not fall between the mean tide height and the large tide height, an extrapolation is required instead of an interpolation and the height difference obtained will correspondingly fall outside the height differences in 2.

## BAY HEAD (EST Z + 5)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | **4.0** | 1.2 | 16 | 0230 | **4.2** | 1.3 |
| | 0720 | **10.0** | 3.0 | | 0825 | **9.7** | 3.0 |
| SU | 1310 | **3.0** | .9 | MO | 1405 | **4.0** | 1.2 |
| DI | 1940 | **11.0** | 3.4 | LU | 2025 | **10.1** | 3.1 |
| 2 | 0245 | **4.8** | 1.5 | 17 | 0340 | **4.8** | 1.5 |
| | 0830 | **9.3** | 2.8 | | 0935 | **9.2** | 2.8 |
| MO | 1420 | **3.8** | 1.1 | TU | 1525 | **4.3** | 1.3 |
| LU | 2100 | **10.3** | 3.1 | MA | 2130 | **9.6** | 2.9 |
| 3 | 0355 | **4.7** | 1.4 | 18 | 0450 | **4.7** | 1.4 |

7. Apply the time and height differences selected according to instruction 6 to the reference port daily predictions from 5 and obtain the required secondary port predictions which are invariably in the time zone of the secondary port irrespective of the time zone of the reference port.

### Worked Example

| | | | | | | |
|---|---|---|---|---|---|---|
| Step 1 | Rock Harbour | | · 4 | | | |
| Step 2 | Higher Time | High Water Mean Tide | Large Tide | Lower Time | Low Water Mean Tide | Large Tide |
| | · 0 30 | · 2.4 | · 3.0 | · 0 20 | – 0.6 | + 0.2 |
| Step 3 | Bay Head | | | | | |
| Step 4 | Higher | High Water Mean Tide | Large Tide | Lower | Low Water Mean Tide | Large Tide |
| | | 8.0 | 14.0 | | 4.0 | 0.0 |
| Step 5 | Morning Tide | | | Afternoon Tide | | |
| | 0720 | 10.0 | | 1310 | 3.0 | |
| Step 6 | · 030 | · 2.4 | | · 020 | – 0.6 | |
| Step 7 | 0750 | 12.4 | | 1330 | 2.4 | |
| | Time Zone · 4 | | | | | |

## SECONDARY PORTS

TABLE 3

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

## PORTS SECONDAIRES

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFERENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | |
| | | | LAT. N. | LONG. W. / LONG. O | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | ° ′ | ° ′ | h m | ft./pi | ft./pi | h m | ft./pi | ft./pi | ft./pi | ft./pi | ft./pi |
| | | | | | on/sur BAY HEAD, pages 32-35 | | | | | | | | |
| 0002 | ROCK HARBOUR | +4 | 61 00 | 61 00 | +0 30 | +2.4 | +3.0 | +0 20 | -0.6 | +0.2 | 7.0 | 16.8 | 9.0 |

SAMPLE EXEMPLE

## REFERENCE PORTS

TABLE 2

TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL

*HAUTEURS DES MAREES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

## PORTS DE RÉFÉRENCE

| REFERENCE PORT / PORT DE RÉFÉRENCE | HEIGHTS / HAUTEURS | | | | RECORDED EXTREMES / EXTRÊMES ENREGISTRÉS | | | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU | |
|---|---|---|---|---|---|---|---|---|---|---|
| | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | | | | | |
| | MEAN TIDE / MARÉE MOYENNE | | LARGE TIDE / GRANDE MARÉE | | MEAN TIDE / MARÉE MOYENNE | | LARGE TIDE / GRANDE MARÉE | | HIGHEST H. / EXTRÊME DE HAUTE MER | | LOWEST W. / EXTRÊME DE BASSE MER | | | |
| | ft./pi. | m | ft./pi | m | ft./pi | m | ft./pi | m | ft. | m | ft./pi | m | ft./pi | m |
| BAY HEAD | 8.0 | 2.4 | 14.0 | 4.3 | 4.0 | 1.2 | 0.0 | 0.0 | 18.0 | 5.5 | -0.5 | -0.2 | 6.5 | 2.0 |

SAMPLE EXEMPLE

# Introduction

## Partie 1 — RENSEIGNEMENTS PRATIQUES

### Tables des marées

L'heure et la hauteur sont prédites et présentés sous forme de tables quotidiennes pour tous les ports de référence. Les colonnes indiquant les hauteurs en pieds sont ombrées pour les distinguer des colonnes indiquant les hauteurs en mètres.

### Tables des courants

L'heure et le taux de vitesse maximale des courants, ou l'heure de l'étale lorsque les courants changent de direction, sont prédits et présentés sous forme de tables quotidiennes pour toutes les stations de mesure des courants. Les fluctuations dans le mouvement horizontal des eaux dues aux conditions météorologiques peuvent prolonger la durée et augmenter la vitesse du courant dans une direction et causer un effet contraire lorsque la direction change de sens. Le courant peut par conséquent ne pas changer de direction exactement au moment prédit, mais en ce cas le taux sera relativement faible.

Partout dans les tables la direction des courants est indiquée par (+) lorsque le courant marégraphique se déplace vers une région de marée montante ou (−) lorsqu'il se déplace vers une région de marée descendante, sauf dans le cas du Great Bras d'Or, où ces signes ne servent qu'à indiquer la différence dans la direction du courant.

### Cartes

La carte du haut au verso de la couverture indique les limites et les numéros de tous les volumes de la série sur les tables canadiennes des marées et courants.

La carte du bas indique les régions générales où sont groupés les ports secondaires. Les régions sont numérotées consécutivement selon l'ordre géographique de distribution des ports de référence et des ports secondaires dans le volume. La carte indique aussi l'emplacement des ports de référence et des stations de mesure des courants.

### Régions et emplacements

Dans les tables de renseignements sur les ports secondaires et des différences marégraphiques, chaque titre de région générale comporte un nom descriptif en plus de son numéro consécutif. Ceci facilite la tâche de situer chaque région et permet de vérifier rapidement toutes les données disponibles.

À l'intérieur de ces régions générales, tous les ports secondaires sont disposés et énumérés par emplacement.

### Toponymes et coordonnées

Partout dans les tables, les noms donnés aux ports de référence et aux ports secondaires sont, pour la plupart, des noms approuvés par le Comité permanent canadien des noms géographiques.

Les coordonnées géographiques données dans les tables des ports de référence et des ports secondaires sont celles des stations marégraphiques originelles et il faut les utiliser chaque fois que l'on a besoin de leurs positions précises. Les toponymes associés à ces coordonnées ont été choisis parmi ceux des endroits ou des accidents géographiques importants les plus rapprochés. En conséquence les coordonnées géographiques et les noms peuvent ne pas correspondre exactement.

### Directives et exemples

On trouvera dans le présent annuaire des directives et des exemples relatifs à la méthode à suivre pour prédire les heures et les hauteurs aux ports secondaires et calculer les hauteurs et les heures intermédiaires aux ports de référence et aux ports secondaires. On a utilisé partout dans ces exemples des renseignements factices.

### Définitions

*Les ports de référence ou les stations de référence de courant* sont ceux pour lesquels on publie les prédictions sous forme de tables quotidiennes soit des heures et des hauteurs soit des heures des renversements et des vitesses maximales.

*Les ports secondaires ou les stations secondaires de courant* sont ceux pour lesquels on publie les différences soit pour les heures et les hauteurs soit pour les heures des renversements.

Les différences sont les corrections qu'il faut appliquer aux prédictions à un port de référence ou à une station de référence de courant pour obtenir les prédictions à un port secondaire ou à une station secondaire de courant.

*Les zones horaires* de prédiction aux ports de référence et aux ports secondaires suivent d'ordinaire l'heure normale de la région. Elle est indiquée en haut des tables de prédiction quotidienne par le suffixe (Z) placé après chaque nom et accompagné par les initiales et le numéro de la zone ainsi que par les chiffres de la colonne de la zone horaire des tables 1 et 3. Le signe (+) indique qu'on peut obtenir le temps moyen de Greenwich (TMG) en additionnant à l'heure normale le nombre d'heures correspondant à la zone horaire.

Les zones horaires normales représentées par les initiales et les chiffres s'établissent somme suit:

| | | |
|---|---|---|
| HNTN | Z + 3½ | Heure normale de Terre-Neuve |
| HNA | Z + 4 | Heure normale de l'Atlantique |
| HNE | Z + 5 | Heure normale de l'Est |
| HNC | Z + 6 | Heure normale du Centre |
| HNM | Z + 7 | Heure normale des Montagnes |
| HNP | Z + 8 | Heure normale du Pacifique |

Pour convertir les prédictions en heure d'été, on ajoute une heure.

*Le niveau de référence marégraphique* établi pour les ports de référence et les ports secondaires est le même, à moins d'indication contraire, que le niveau de référence (zéro des cartes) dans la région. Conformément à l'accord international, le zéro des cartes est le niveau sous lequel la marée descend rarement. Le Service hydrographique du Canada a adopté le niveau de la marée normale la plus basse comme zéro des cartes.

*La hauteur de la marée* est la distance verticale qui sépare la surface de la mer et le zéro des cartes. Pour trouver la profondeur totale, on ajoute la hauteur de la marée aux données sur la profondeur apparaissant sur la carte. Ainsi, quand la carte indique une profondeur de 20 pieds à un endroit et que la hauteur prédite de la pleine mer est de 10 pieds, la profondeur réelle de la pleine mer est de 30 pieds.

Dans le cas de certains ports inaccessibles à marée basse et où les navires reposent alors sur des tins ou des clayonnages, les hauteurs de la marée se mesurent à partir de ces objets.

Le marnage de la marée moyenne est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la marée moyenne.

Le marnage de la grand marée est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la grande marée.

*Le niveau moyen de l'eau* est la hauteur au-dessus du zéro des cartes de la moyenne de toutes les observations horaires utilisées à un endroit particulier pour étudier la marée.

### Données marégraphiques sur les cartes du Service hydrographique du Canada

La plupart des cartes publiées par le Service hydrographique du Canada indiquent le niveau de référence et, au besoin, des renseignements marégraphiques. Le tableau de ces renseignements comprend, pour des endroits donnés, les hauteurs de pleine mer supérieure et de basse mer inférieure des grandes et moyennes marées. Ces hauteurs sont calculées d'après le niveau de référence. Ces renseignements doivent servir de guide pour déterminer la hauteur de la marée à ces endroits. Si on a besoin de prédictions plus précises, il faut consulter les tables de marée.

On donne aussi au tableau la hauteur du niveau moyen de l'eau, à ne pas confondre avec le niveau de référence géodésique du Canada vu que le niveau moyen de l'eau peut changer avec le temps.

### Renseignements supplémentaires

Les tables renferment les renseignements les plus récents.

Les renseignements additionnels ou les modifications qui sont disponibles avant le 1er novembre de l'année précédente seront publiés dans l'édition hebdomadaire n° 46 des *Avis aux navigateurs* (Édition canadienne). Toutes les modifications ultérieures seront publiées au besoin dans les *Avis aux navigateurs*.

### Revision

Afin de faciliter la revision et d'améliorer la précision ou l'utilité de ces tables, on prie les navigateurs, les autorités des ports, les arpenteurs, les ingénieurs et tous ceux qui les utilisent de soumettre leurs commentaires sur l'un ou l'autre point suivant: fautes d'impression, différences appréciables entre les hauteurs des marées prédites et observées, niveaux extrêmes, améliorations des tables, et renseignements provenant des stations marégraphiques privées.

*Nota: Le Service hydrographique du Canada fournira sur demande des renseignements sur l'aménagement et l'utilisation de marégraphes automatiques.*

Toute communication doit être envoyée au Service hydrographique du Canada, Ottawa, Ont., ou aux bureaux régionaux de Dartmouth, N.-É., Québec, QC, Burlington, Ont., ou Sidney, C.-B.

### Remerciements

Les présentes tables et prédictions pour les eaux du Canada ont été préparées par le Service des données sur le milieu marin, Direction générale de l'information et des sciences de la mer, Sciences et levés océaniques. Lorsque approprié, on a obtenu les prédictions pour les eaux américaines du ministère du Commerce des États-Unis, en vertu d'une entente bilatérale internationale.

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## Partie 2 — RENSEIGNEMENTS THÉORIQUES

### Genres de marée

*Marée semi-diurne (SD)* — deux oscillations marégraphiques complètes quotidiennes, les deux pleines mers étant de hauteur semblable, de même que les deux basses mers. Les deux pleines mers du jour suivent les passages supérieur et inférieur de la lune d'environ le même intervalle.

*Marée mixte, surtout semi-diurne (MSD)* — deux oscillations marégraphiques quotidiennes complètes avec inégalités à la fois en hauteur et dans le temps ou elle atteint ses plus grandes valeurs alors que la déclinaison de la lune est passée par son maximum.

*Marée mixte, surtout diurne (MD)* — habituellement, et à coup sûr quand la lune présente une faible déclinaison, il se produit deux oscillations marégraphiques complètes quotidiennes. Les inégalités entre les hauteurs des pleines et basses mers successives et le temps des intervalles correspondants sont très marquées.

*Marée diurne (D)* — une oscillation marégraphique complète quotidienne.

### Precision des predictions

*Ports de reference* — La précision des prédictions aux ports de référence dépend de la quantité et de la qualité des constantes marégraphiques utilisées pour les calculer. Ces constantes à leur tour sont directement reliées à la longueur de la période d'observation utilisée dans l'analyse marégraphique et d'ou les constantes sont dérivées. Lorsque les dossiers le permettent on utilise des observations s'étendant sur au moins une année.

*Ports secondaires* — La précision des différences marégraphiques aux ports secondaires dépend aussi de la qualité des constantes marégraphiques utilisées pour les calculer, comme pour les ports de référence. Dans la majorité des cas cependant la période d'observations ne s'étend pas sur plus d'un mois, et parfois moins. Leur qualité est par conséquent affectée par les fluctuations du niveau des marées comparativement à la normale, durant cette période, à la suite des conditions météorologiques.

De plus, leur précision est fortement dépendante de la similarité entre les caractéristiques de la marée aux ports secondaires et aux ports de référence. Il n'y a pas deux endroits au monde où les marées sont identiques de sorte que même si leurs caractéristiques sont semblables les prédictions aux ports secondaires faites en utilisant les différences marégraphiques ne peuvent pas être considérées aussi précises que les prédictions complètes faites pour un port de référence. Du point de vue pratique cependant on a fait tout ce qui est possible pour établir les comparaisons entre les ports de référence et les ports secondaires qui présentent des caractéristiques marégraphiques semblables. À cause du petit nombre de ports de référence disponibles cette façon de faire n'a pas toujours été possible. Par contre les inexactitudes ainsi engendrées sont habituellement inférieures à celles qui proviennent des fluctuations des niveaux des marées causées par les conditions météorologiques.

### Effets des conditions météorologiques sur la hauteur des marées

Les hauteurs publiées pour les ports de référence ne représentent que l'oscillation marégraphique, soit une certaine hauteur au-dessus et au-dessous du niveau moyen de l'eau.

Les conditions météorologiques comme les vents violents et prolongés, les changements rapides de la pression barométrique ou les périodes prolongées de très haute ou de très basse pression influent sur le niveau de l'eau. La hauteur des marées hautes et basses est le résultat d'oscillations marégraphiques que l'on peut prédire et de variations d'origine météorologique que l'on ne peut prévoir longtemps à l'avance. Ainsi si le niveau de la mer a monté à la suite de l'influence de conditions météorologiques, la hauteur des marées hautes et basses sera supérieure à celle prédite et vice versa. Cependant, un changement dans les conditions météorologiques n'est jamais assez rapide pour qu'une marée haute favorisée par des conditions antérieures soit suivie d'une marée basse abaissée davantage par le changement des conditions, et la même chose est vraie d'une marée basse suivie d'une marée haute. Les niveaux extrêmes établis pour chacun des ports de référence ont invariablement été atteints dans des circonstances bien différentes et à des périodes à longs intervalles.

# Calcul

## des hauteurs ou des heures intermédiaires

La Table des calculs est destinée surtout à trouver la hauteur de la marée à un port de référence à un moment donné entre les hauteurs prédites, ou l'heure à laquelle une hauteur donnée est atteinte. Elle donnera des chiffres suffisamment précis pour tous les ports de référence situés dans les eaux canadiennes si la durée du flot et du jusant rentre dans les limites établies (voir le paragraphe intitulé Interpolation). On peut l'appliquer aussi aux ports secondaires, avec moins d'exactitude, quand on a calculé les heures et les hauteurs appropriées

## Directives et exemples

Hauteur à une heure donnée

Pour calculer la hauteur de la marée, à Bay Head, le 2 juillet à 17h20:

1. D'après les tables quotidiennes, noter les heures et les hauteurs précédant et suivant l'heure donnée (17h20) et obtenir:

a) la durée du flux ou du reflux, savoir la différence d'heure entre les hauteurs prédites (2230 − 1600 = 6 30).

b) le marnage de la marée, savoir la différence de hauteur entre les hauteurs prédites (14.8 − 0.8 = 14.0).

c) le temps qui sépare l'heure donnée et celle de la hauteur prédite la plus rapprochée (1720 − 1600 = 1 20).

2. Dans la colonne Durée de la table, trouver la durée calculée à 1a(6 30) et suivre la ligne horizontale jusqu'au chiffre le plus rapproché de celui qui est calculé à 1c(1 20). Noter le numéro de la colonne (2). (Suivez le *)

3. Dans la colonne Marnage, trouver le marnage calculée à 1b(14.0) et suivre la ligne horizontale jusqu'à la colonne portant le même numéro qu'à 2 (colonne 2). Noter le chiffre qui s'y trouve (1.4). (Suivez le *)

4. Ce chiffre est la différence entre la hauteur cherchée et la hauteur du niveau prédit à partir de laquelle on a calculé l'intervalle de temps indiqué à 1c (1600 0.8). Soustraire ce chiffre de la hauteur dans le cas d'un niveau supérieur et l'ajouter dans le cas d'un niveau inférieur (0.8 + 1.4 = 2.2). On obtient ainsi la hauteur de la marée à l'heure donnée.

Hauteur calculée: 2.2 pieds.

*Nota: Pour appliquer la table à des marées d'un marnage dépassant 30 pieds, il faut diviser par deux la valeur calculée de l'amplitude trouvée à 1b, et doubler la différence de hauteur, tirée de la table.*

# BAY HEAD (EST / Z+5)

JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0252 | **1.2** | 4 | 16 | 0355 | **3.3** | 1.0 |
| | 0910 | **14.7** | 4.5 | | 1025 | **13.4** | 4.1 |
| SU | 1510 | **.8** | 2 | MO | 1605 | **2.3** | .7 |
| DI | 2130 | **14.9** | 4.5 | LU | 2245 | **13.6** | 4.1 |
| 2 | 0335 | **1.2** | 4 | 17 | 0515 | **2.9** | .9 |
| | 1010 | **14.6** | 4.5 | | 1110 | **13.5** | 4.1 |
| MO | 1600 | **.8** | .2 | TU | 1740 | **2.0** | .6 |
| LU | 2230 | **14.8** | 4.5 | MA | 2335 | **13.8** | 4.2 |
| 3 | 0420 | **1.4** | 4 | 18 | 0555 | **2.7** | .8 |

Heure à une hauteur donnee

Pour calculer l'heure à laquelle la marée montante de l'après-midi, à Bay Head, le 2 juillet, atteindra la hauteur de 2.2 pieds:

1. D'après les tables quotidiennes, noter les heures et les hauteurs précédant et suivant la hauteur donnée (2.2 pieds) et obtenir:

a) la durée du flux ou du reflux, savoir la différence de temps entre les hauteurs prédites (2230 − 1600 = 6 30).

b) le marnage de la marée, savoir la différence entre les hauteurs prédites (14.8 − 0.8 = 14.0).

c) la différence de hauteur entre la hauteur donnée et les hauteurs prédites les plus rapprochées (2.2 − 0.8 = 1.4).

2. Dans la colonne Marnage de la table, trouver le marnage calculée à 1b et suivre la ligne horizontale jusqu'au chiffre le plus rapproché de celui qui est calculé à 1c. Noter le numéro de la colonne (2). (Suivez le *)

3. Dans la colonne Durée, trouver la durée calculée à 1a et suivre la ligne horizontale jusqu'à la colonne portant le même numéro qu'à 2. Noter le chiffre qui y figure (1 20). (Suivez le *)

4. Ce chiffre est la différence entre l'heure cherchée et celle des hauteurs prédites à partir de laquelle on a calculé la différence de hauteur à 1c (1600 0.8). S'il s'agit de la hauteur la plus basse à 1c, ajouter l'intervalle de temps à une marée montante et le soustraire à une marée descendante (1600 + 1 20 = 1720). S'il s'agit de la hauteur la plus élevée, soustraire l'intervalle de temps à une marée montante et l'ajouter à une marée descendante. On obtient ainsi l'heure à laquelle la hauteur donnée sera atteinte.

Heure calculée: 1720 heures.

*Nota: Pour appliquer cette table à des marées d'un marnage de plus de 30 pieds, il faut diviser par deux les valeurs calculées de l'amplitude trouvée à 1b et la différence de hauteur trouvée à 1c. Ne pas modifier l'intervalle de temps tiré de la table.*

## Différence de hauteur du niveau predit le plus rapproché

| Amplitude | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| 1 | .1 | .1 | .2 | .2 | .3 | .3 | .4 | .4 | .5 | .5 |
| 2 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 |
| 3 | .2 | .3 | .5 | .6 | .8 | .9 | 1.1 | 1.2 | 1.4 | 1.5 |
| 4 | .2 | .4 | .6 | .8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 |
| 5 | .3 | .5 | .8 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 |
| 6 | .3 | .6 | .9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
| 7 | .4 | .7 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.8 | 3.2 | 3.5 |
| 8 | .4 | .8 | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 |
| 9 | .5 | .9 | 1.4 | 1.8 | 2.3 | 2.7 | 3.2 | 3.6 | 4.1 | 4.5 |
| 10 | .5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 |
| 11 | .6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.9 | 4.4 | 5.0 | 5.5 |
| 12 | .6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| 13 | .7 | 1.3 | 2.0 | 2.6 | 3.3 | 3.9 | 4.6 | 5.2 | 5.9 | 6.5 |
| 14* | .7 | 1.4* | 2.1* | 2.8 | 3.5 | 4.2 | 4.9 | 5.6 | 6.3 | 7.0 |
| 15 | .8 | 1.5 | 2.3 | 3.0 | 3.8 | 4.5 | 5.3 | 6.0 | 6.8 | 7.5 |
| 16 | .8 | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 |
| 17 | .9 | 1.7 | 2.6 | 3.4 | 4.3 | 5.1 | 6.0 | 6.8 | 7.7 | 8.5 |
| 18 | .9 | 1.8 | 2.7 | 3.6 | 4.5 | 5.4 | 6.3 | 7.2 | 8.1 | 9.0 |
| 19 | 1.0 | 1.9 | 2.9 | 3.8 | 4.8 | 5.7 | 6.7 | 7.6 | 8.6 | 9.5 |
| 20 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
| 21 | 1.1 | 2.1 | 3.2 | 4.2 | 5.3 | 6.3 | 7.4 | 8.4 | 9.5 | 10.5 |
| 22 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.6 | 7.7 | 8.8 | 9.9 | 11.0 |
| 23 | 1.2 | 2.3 | 3.5 | 4.6 | 5.8 | 6.9 | 8.1 | 9.2 | 10.4 | 11.5 |
| 24 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 |
| 25 | 1.3 | 2.5 | 3.8 | 5.0 | 6.3 | 7.5 | 8.8 | 10.0 | 11.3 | 12.5 |
| 26 | 1.3 | 2.6 | 3.9 | 5.2 | 6.5 | 7.8 | 9.1 | 10.4 | 11.7 | 13.0 |
| 27 | 1.4 | 2.7 | 4.1 | 5.4 | 6.8 | 8.1 | 9.5 | 10.8 | 12.2 | 13.5 |
| 28 | 1.4 | 2.8 | 4.2 | 5.6 | 7.0 | 8.4 | 9.8 | 11.2 | 12.6 | 14.0 |
| 29 | 1.5 | 2.9 | 4.4 | 5.8 | 7.3 | 8.7 | 10.2 | 11.6 | 13.1 | 14.5 |
| 30 | 1.5 | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 |

*Les astérisques dans cette table servent exclusivement à illustrer les exemples de la page xii.

## Interpolation

La Table des calculs est une table générale destinée à être utilisée pour tous les ports. Dans le cas de la plupart de ces derniers, la courbe des marées est quelque peu déformée. Par conséquent, là où les marées sont faibles, il est inutile d'interpoler quand les valeurs calculées de la durée, de l'intervalle de temps, du marnage et de la différence de hauteur ne coïncident pas avec celles des Tables. Là où les marées sont fortes, cependant, il est plus avantageux d'interpoler, mais une simple estimation visuelle donnera une prédiction suffisamment exacte. Si la durée ou le marnage de la marée sont inférieures à celles calculées à la Table, on peut faire une interpolation arithmétique directe.

## Conversion des hauteurs de marée en altitudes approximatives à partir du niveau moyen de la mer

On peut convertir la hauteur de marée en altitude approximative au-dessus ( + ) ou au-dessous ( − ) du niveau moyen de la mer en soustrayant la hauteur du niveau moyen de l'eau au port donné, de la hauteur calculée de la marée.

## Intervalle de la hauteur prédite la plus rapprochée

| Durée | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*Les astériques dans cette table servent exclusivement à illustrer les exemples de la page xii.

# Prédiction

des marées au ports secondaires

## Exemple

Pour prédire les heures et hauteurs des marées du matin et de l'après-midi, le 1er juillet, à Rock Harbour (heure normale)

## Directives

Il faut exécuter les directives de 1 à 7 en suivant les sept étapes énumérées dans l'exemple qui se trouve au bas de la deuxième colonne de cette page.

1. Localiser le port en question dans la table 3 "Ports secondaires" et noter le fuseau horaire.

2. Noter les différences d'heure et de hauteur inscrites à la table 3 concernant ce port. (Voir l'exemple, page ix)

3. Noter le nom du port de référence qui le précède dans la table 3.

4. Noter les hauteurs des marées moyennes et grandes marées à ce port de référence et inscrites à la table 2 "Ports de référence" (Voir l'exemple, page ix)

5. Noter les prédictions quotidiennes appropriées concernant ce port de référence. (Voir l'exemple sur cette page.)

6. a) Choisir la différence de temps et de hauteur appropriée en 2. A toutes fins utiles, on utilise la différence de marée moyenne de la haute mer supérieure (ex: 2.4) si la hauteur prédite la plus élevée en 5 (ex: 10.0) est plus rapprochée de la hauteur de marée moyenne de la haute mer supérieure en 4 (ex: 8.0) que la hauteur de la grand marée (ex: 14.0) et vice versa. On utilise aussi la différence de marée moyenne si la différence de la grande marée est omise. On utilise de la même façon les différences de basse mer inférieure pour les hauteurs prédites inférieures.

b) Si les hauteurs prédites en 5 sont plus rapprochées des hauteurs de la marée haute plutôt que de la marée basse en 4, on utilise alors les différences de temps et de hauteur de la haute mer supérieure à la fois pour les temps et les niveaux prédits. A marée basse, on utilise les différences de temps et de hauteur de la basse mer inférieure à la fois pour les temps et les niveaux prédits.

c) Une méthode plus précise pour calculer les différences de hauteur consiste à faire une interpolation entre les différences de hauteur en 2 selon le rapport détermine par la position du niveau prédit entre la hauteur de la marée moyenne et celle de la grande marée. Si le niveau prédit ne se situe pas entre les hauteurs des marées moyenne et grande, on effectuera une extrapolation au lieu d'une interpolation, et le résultat de cette extrapolation sera nécessairement inférieur ou supérieur aux différences de hauteur indiquées en 2.

## BAY HEAD (EST Z - 5)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | **4.0** | 1.2 | 16 | 0230 | **4.2** | 1.3 |
| | 0720 | **10.0** | 3.0 | | 0825 | **9.7** | 3.0 |
| SU | 1310 | **3.0** | 0.9 | MO | 1405 | **4.0** | 1.2 |
| DI | 1940 | **11.3** | 3.4 | LU | 2025 | **10.1** | 3.1 |
| 2 | 0245 | **4.8** | 1.5 | 17 | 0340 | **4.8** | 1.5 |
| | 0830 | **9.3** | 2.8 | | 0935 | **9.2** | 2.8 |
| MO | 1420 | **3.6** | 1.1 | TU | 1525 | **4.3** | 1.3 |
| LU | 2100 | **10.3** | 3.1 | MA | 2130 | **9.6** | 2.9 |
| 3 | 0355 | **4.7** | 1.4 | 18 | 0450 | **4.7** | 1.4 |

7. Appliquer les différences d'heure et de hauteur, choisies selon la directive 6, aux prédictions quotidiennes du port de référence en 5, et en tirer les prédictions au port secondaire en cause qui sont toujours relatives à l'heure normale du port secondaire et indépendantes de celui du port de référence.

## Exemple

Etape 1 Rock Harbour · 4

Etape 2

| Pleine mer supérieure | | | Basse mer inférieure | | |
|---|---|---|---|---|---|
| Temps | Marée moyenne | Grande marée | Temps | Marée moyenne | Grande marée |
| · 0 30 | · 2.4 | · 3.0 | · 0 20 | 0.6 | · 0.2 |

Etape 3 Bay Head

Etape 4

| Pleine mer supérieure | | Basse mer inférieure | |
|---|---|---|---|
| Marée moyenne | Grande marée | Marée moyenne | Grande marée |
| 8.0 | 14.0 | 4.0 | 0.0 |

Etape 5

| Marée du matin | | Marée de l'après-midi | |
|---|---|---|---|
| 0720 | 10.0 | 1310 | 3.0 |

Etape 6 · 030 · 2.4 · 020 0.6

Etape 7 0750 12.4 1330 2.4

Fuseau horaire · 4

TABLE 1
INFORMATION AND RANGE
*RENSEIGNEMENTS ET MARNAGE*

| REFERENCE PORT / *PORT DE REFERENCE* | INDEX NO. / *NO. D'INDEX* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* | | TYPE OF TIDE / *GENRE DE MAREES* | RANGE / *MARNAGE* | |
|---|---|---|---|---|---|---|---|
| | | | LATITUDE NORTH / *LATITUDE NORD* | LONGITUDE WEST / *LONGITUDE OUEST* | | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* |
| **TIDES *MAREES*** | | | | | | *ft./pi. m* | *ft./pi. m* |
| SAINT JOHN | 0065 | -4 | 45 16 | 66 04 | SD | **21.9 6.7** | **30.0 9.1** |
| YARMOUTH | 0365 | -4 | 43 50 | 66 07 | SD | **12.0 3.7** | **16.6 5.1** |
| HALIFAX | 0490 | -4 | 44 40 | 63 35 | SD | **4.9 1.5** | **7.0 2.1** |
| POINT TUPPER | 0576 | -4 | 45 36 | 61 22 | SD | **4.5 1.4** | **6.7 2.0** |
| NORTH SYDNEY | 0612 | -4 | 46 13 | 60 15 | MSD | **3.1 0.9** | **4.7 1.4** |
| PORT AUX BASQUES | 0665 | -3½ | 47 35 | 59 09 | MSD | **3.7 1.1** | **5.6 1.7** |
| ARGENTIA | 0835 | -3½ | 47 18 | 53 59 | SD | **5.3 1.6** | **8.1 2.5** |
| ST JOHN'S | 0905 | -3½ | 47 34 | 52 42 | MSD | **3.0 0.9** | **4.6 1.4** |
| **CURRENTS *COURANTS*** | | | | | | | |
| GRAND MANAN CHANNEL | — | -4 | 44 45 | 66 56 | — | — — | — — |
| GREAT BRAS D'OR | — | -4 | 46 18 | 60 25 | — | — — | — — |



TABLE 2
TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL
*HAUTEURS DES MAREES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

| REFERENCE PORT / *PORT DE REFERENCE* | HEIGHTS *HAUTEURS* | | | | RECORDED EXTREMES / *EXTRÊMES ENREGISTRÉS* | | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|
| | HIGHER HIGH WATER / *PLEINE MER SUPERIEURE* | | LOWER LOW WATER / *BASSE MER INFERIEURE* | | | | |
| | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | HIGHEST H.W. / *EXTRÊME DE PLEINE MER* | LOWEST L.W. / *EXTREME DE BASSE MER* | |
| **TIDES *MAREES*** | *ft./pi. m* | *ft./pi. m* | *ft./pi. m* | *ft./pi. m* | *ft./pi. m* | *ft./pi. m* | *ft./pi. m* |
| SAINT JOHN | **25.3 7.7** | **29.6 9.0** | **3.4 1.0** | **-0.4 0.1** | **30.2 9.2** | **-1.4 0.4** | **14.5 4.4** |
| YARMOUTH | **14.2 4.3** | **16.5 5.0** | **2.2 0.7** | **-0.1 0.0** | **19.3 5.9** | **-1.7 0.5** | **8.1 2.5** |
| HALIFAX | **6.8 1.8** | **7.0 2.1** | **0.8 0.2** | **0.0 0.0** | **9.2 2.8** | **-2.5 0.8** | **3.3 1.0** |
| POINT TUPPER | **5.3 1.6** | **6.6 2.0** | **0.7 0.2** | **0.0 0.0** | **8.6 2.6** | **-1.6 0.5** | **2.9 0.9** |
| NORTH SYDNEY | **3.7 1.1** | **4.6 1.4** | **0.7 0.2** | **0.0 0.0** | **7.5 2.3** | **-1.6 0.5** | **2.3 0.7** |
| PORT AUX BASQUES | **5.6 1.7** | **6.3 1.9** | **1.9 0.6** | **0.8 0.2** | **8.6 2.6** | **-0.9 0.3** | **3.7 1.1** |
| ARGENTIA | **7.3 2.2** | **8.6 2.6** | **1.9 0.6** | **0.5 0.1** | **10.0 3.1** | **-0.9 0.3** | **4.3 1.3** |
| ST JOHN'S | **4.1 1.2** | **5.1 1.6** | **1.1 0.3** | **0.4 0.1** | **7.3 2.2** | **-1.5 0.5** | **2.5 0.8** |

**TABLE 3**
**INFORMATION AND TIDAL DIFFERENCES**
***RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES***

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFERENCES — HIGHER HIGH WATER / PLEINE MER SUPERIEURE | | | DIFFERENCES / DIFFERENCES — LOWER LOW WATER / BASSE MER INFERIEURE | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | | | h m | ft pi | ft pi | h m | ft pi | ft pi | ft pi | ft pi | ft pi |
| | **AREA 1 / RÉGION 1** | | | | on sur SAINT JOHN, pages 2-5 | | | | | | | | |
| | **BAY OF FUNDY** | | | | | | | | | | | | |
| | GRAND MANAN | | | | | | | | | | | | |
| 0001 | OUTER WOOD ISLAND | -4 | 44 36 | 66 48 | 0 15 | 7.9 | 9.5 | -0 14 | 0.3 | +0.9 | 14.3 | 19.6 | 10.1 |
| 0010 | NORTH HEAD • | -4 | 44 46 | 66 45 | 0 05 | 4.4 | 5.5 | 0 05 | 0.4 | +0.5 | 17.9 | 24.0 | 11.7 |
| | PASSAMAQUODDY BAY | | | | | | | | | | | | |
| 0015 | WELSHPOOL | -4 | 44 53 | 66 57 | +0 01 | 3.7 | 4.2 | +0 06 | 1.2 | 0.6 | 18.9 | 25.1 | 12.1 |
| 0020 | WILSONS BEACH | -4 | 44 56 | 66 56 | -0 05 | 3.5 | 4.0 | 0 01 | +0.4 | +0.8 | 18.1 | 25.2 | 12.6 |
| 0025 | FAIRHAVEN | -4 | 44 58 | 67 01 | +0 03 | 2.6 | 2.9 | +0 09 | +0.1 | +0.4 | 19.2 | 26.7 | 12.9 |
| 0030 | BACK BAY | -4 | 45 03 | 66 52 | 0 07 | 3.4 | 3.8 | 0 06 | -0.3 | +0.6 | 18.2 | 25.6 | 12.6 |
| 0035 | ST. STEPHEN | -4 | 45 12 | 67 17 | +0 08 | 1.0 | | +0 28 | 0.0 | | 20.5 | | |
| 0040 | ST. ANDREWS | -4 | 45 04 | 67 03 | +0 08 | 2.4 | 2.5 | +0 17 | 0.6 | 0.2 | 19.6 | 26.3 | 12.8 |
| | BAY OF FUNDY NORTH | | | | | | | | | | | | |
| 0046 | DIPPER HARBOUR WEST | -4 | 45 05 | 66 26 | -0 05 | -2.6 | -3.0 | -0 05 | -0.4 | -0.1 | 19.3 | 25.9 | 13.0 |
| 0060 | PARTRIDGE ISLAND | -4 | 45 14 | 66 03 | -0 13 | -0.3 | 0.3 | -0 11 | -0.3 | -0.2 | 21.9 | 30.0 | 14.0 |
| | SAINT JOHN RIVER | | | | | | | | | | | | |
| 0075 | INDIANTOWN | -4 | 45 16 | 66 05 | +1 30 | | | +2 30 | | | | | |
| 0085 | ROTHESAY | -4 | 45 24 | 66 00 | +1 35 | | | +2 48 | | | | | |
| 0090 | WESTFIELD | -4 | 45 21 | 66 14 | +2 30 | See footnote 1 | | +3 15 | See footnote 1 | | See footnote 2 | | |
| 0095 | BROWNS FLAT | -4 | 45 28 | 66 07 | +2 45 | | | +4 00 | | | | | |
| 0096 | OAK POINT | -4 | 45 31 | 66 05 | +3 00 | | | +4 15 | | | | | |
| 0097 | HATFIELD POINT | -4 | 45 39 | 65 52 | +3 18 | | | -7 45 | | | | | |
| 0098 | EVANDALE | -4 | 45 35 | 66 02 | +3 22 | | | -7 49 | | | | | |
| 0100 | HAMPSTEAD | -4 | 45 37 | 66 05 | +4 00 | | | +5 30 | | | | | |
| 0105 | GAGETOWN | -4 | 45 46 | 66 08 | +5 30 | Voir note 1 | | +6 45 | Voir note 1 | | Voir note 2 | | |
| 0108 | UPPER GAGETOWN | -4 | 45 51 | 66 14 | +5 52 | | | +7 13 | | | | | |
| 0116 | MAUGERVILLE | -4 | 45 52 | 66 28 | +7 15 | | | -3 35 | | | | | |
| 0120 | FREDERICTON | -4 | 45 58 | 66 39 | -4 01 | | | -2 17 | | | | | |

FOOTNOTE 1 — THE LEVELS IN THE RIVER VARY WITH THE SEASONS AND ARE USUALLY LOWEST IN LATER SUMMER. THESE TIME DIFFERENCES ARE AVERAGE VALUES ONLY AND MAY VARY CONSIDERABLY DUE TO RIVER CONDITIONS.

FOOTNOTE 2 — THE RANGE OF THE TIDE DIMINISHES FROM 2' AT INDIANTOWN TO 1' AT HAMPSTEAD AND 0.5' A FEW MILES FURTHER UP STREAM.

NOTE 1 — LES NIVEAUX DANS LA RIVIÈRE VARIENT AVEC LES SAISONS ET SONT HABITUELLEMENT À LEUR PLUS BAS VERS LA FIN DE L'ÉTÉ. CES DIFFÉRENCES D'HEURE NE SONT QUE DES VALEURS MOYENNES ET ELLES PEUVENT VARIER CONSIDÉRABLEMENT SELON LES CONDITIONS FLUVIALES.

NOTE 2 — LE MARNAGE DE LA MARÉE DIMINUE DE 2' À INDIANTOWN À 1' À HAMPSTEAD ET À 0.5' À QUELQUES MILLES EN AMONT.

# Daily Tables Tables quotidiennes

# SAINT JOHN (AST 2 · 4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0605 | 22.5 | 6.9 | 16 | 0020 | 4.6 | 1.4 |
| | 1220 | 8.9 | 2.1 | | 0635 | 24.5 | 7.5 |
| SU | 1830 | 21.3 | 6.5 | MO | 1300 | 4.3 | 1.3 |
| DI | | | | LU | 1910 | 23.0 | 7.0 |
| 2 | 0040 | 7.2 | 2.2 | 17 | 0125 | 5.0 | 1.5 |
| | 0700 | 22.6 | 6.9 | | 0740 | 24.5 | 7.5 |
| MO | 1320 | 6.7 | 2.0 | TU | 1405 | 4.2 | 1.3 |
| LU | 1930 | 21.3 | 6.5 | MA | 2015 | 23.0 | 7.0 |
| 3 | 0135 | 7.2 | 2.2 | 18 | 0230 | 5.0 | 1.5 |
| | 0750 | 23.0 | 7.0 | | 0845 | 24.8 | 7.6 |
| TU | 1415 | 6.2 | 1.9 | WE | 1505 | 3.8 | 1.2 |
| MA | 2025 | 21.5 | 6.6 | ME | 2120 | 23.3 | 7.1 |
| 4 | 0230 | 6.9 | 2.1 | 19 | 0330 | 4.6 | 1.5 |
| | 0845 | 23.5 | 7.2 | | 0940 | 25.2 | 7.7 |
| WE | 1505 | 5.5 | 1.7 | TH | 1605 | 3.3 | 1.0 |
| ME | 2115 | 22.0 | 6.7 | JE | 2215 | 23.7 | 7.2 |
| 5 | 0320 | 6.4 | 2.0 | 20 | 0425 | 4.4 | 1.3 |
| | 0935 | 24.2 | 7.4 | | 1035 | 25.5 | 7.8 |
| TH | 1555 | 4.6 | 1.4 | FR | 1655 | 2.9 | .9 |
| JE | 2205 | 22.7 | 6.9 | VE | 2305 | 24.0 | 7.3 |
| 6 | 0410 | 5.7 | 1.7 | 21 | 0510 | 4.0 | 1.2 |
| | 1020 | 25.0 | 7.6 | | 1120 | 25.8 | 7.9 |
| FR | 1645 | 3.8 | 1.2 | SA | 1740 | 2.7 | .8 |
| VE | 2250 | 23.4 | 7.1 | SA | 2350 | 24.2 | 7.4 |
| 7 | 0500 | 4.9 | 1.5 | 22 | 0555 | 3.9 | 1.2 |
| | 1105 | 25.6 | 7.8 | | 1205 | 25.9 | 7.9 |
| SA | 1730 | 3.0 | .9 | SU | 1825 | 2.7 | .8 |
| SA | 2335 | 24.0 | 7.3 | DI | | | |
| 8 | 0545 | 4.3 | 1.3 | 23 | 0030 | 24.3 | 7.4 |
| | 1155 | 26.1 | 8.0 | | 0640 | 3.9 | 1.2 |
| SU | 1815 | 2.4 | .7 | MO | 1245 | 25.7 | 7.8 |
| DI | | | | LU | 1900 | 2.9 | .9 |
| 9 | 0020 | 24.5 | 7.5 | 24 | 0110 | 24.3 | 7.4 |
| | 0630 | 3.8 | 1.2 | | 0715 | 4.1 | 1.2 |
| MO | 1240 | 26.4 | 8.0 | TU | 1325 | 25.3 | 7.7 |
| LU | 1900 | 2.0 | .6 | MA | 1940 | 3.3 | 1.0 |
| 10 | 0110 | 24.9 | 7.6 | 25 | 0145 | 24.2 | 7.4 |
| | 0720 | 3.5 | 1.1 | | 0755 | 4.4 | 1.3 |
| TU | 1325 | 26.5 | 8.1 | WE | 1400 | 24.8 | 7.6 |
| MA | 1950 | 1.9 | .6 | ME | 2015 | 3.8 | 1.2 |
| 11 | 0155 | 25.1 | 7.7 | 26 | 0220 | 24.0 | 7.3 |
| | 0810 | 3.4 | 1.0 | | 0830 | 4.7 | 1.4 |
| WE | 1415 | 26.2 | 8.0 | TH | 1435 | 24.2 | 7.4 |
| ME | 2035 | 2.0 | .6 | JE | 2050 | 4.4 | 1.3 |
| 12 | 0245 | 25.2 | 7.7 | 27 | 0300 | 23.7 | 7.2 |
| | 0900 | 3.5 | 1.1 | | 0910 | 5.2 | 1.6 |
| TH | 1505 | 25.7 | 7.8 | FR | 1515 | 23.4 | 7.1 |
| JE | 2130 | 2.4 | .7 | VE | 2130 | 5.1 | 1.6 |
| 13 | 0340 | 25.2 | 7.7 | 28 | 0340 | 23.4 | 7.1 |
| | 0955 | 3.7 | 1.1 | | 0950 | 5.6 | 1.7 |
| FR | 1600 | 25.0 | 7.6 | SA | 1600 | 22.8 | 6.9 |
| VE | 2220 | 3.1 | .9 | SA | 2210 | 5.9 | 1.8 |
| 14 | 0435 | 25.0 | 7.6 | 29 | 0420 | 23.0 | 7.0 |
| | 1050 | 4.0 | 1.2 | | 1035 | 6.1 | 1.9 |
| SA | 1700 | 24.1 | 7.3 | SU | 1645 | 21.9 | 6.7 |
| SA | 2320 | 3.9 | 1.2 | DI | 2255 | 6.7 | 2.0 |
| 15 | 0535 | 24.7 | 7.5 | 30 | 0510 | 22.7 | 6.9 |
| | 1155 | 4.3 | 1.3 | | 1130 | 6.6 | 2.0 |
| SU | 1805 | 23.4 | 7.1 | MO | 1735 | 21.2 | 6.5 |
| DI | | | | LU | 2350 | 7.3 | 2.2 |
| | | | | 31 | 0605 | 22.4 | 6.8 |
| | | | | | 1225 | 7.7 | 2.0 |
| | | | | TU | 1835 | 20.5 | 6.4 |
| | | | | MA | | | |

### FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0045 | 7.5 | 2.3 | 16 | 0215 | 5.8 | 1.8 |
| | 0705 | 22.8 | 6.9 | | 0830 | 23.8 | 7.3 |
| WE | 1330 | 6.5 | 2.0 | TH | 1455 | 4.6 | 1.4 |
| ME | 1940 | 21.0 | 6.4 | JE | 2105 | 22.7 | 6.9 |
| 2 | 0150 | 7.3 | 2.2 | 17 | 0315 | 5.4 | 1.6 |
| | 0805 | 23.0 | 7.0 | | 0930 | 24.4 | 7.4 |
| TH | 1430 | 5.9 | 1.8 | FR | 1550 | 4.1 | 1.2 |
| JE | 2040 | 21.6 | 6.6 | VE | 2200 | 23.2 | 7.1 |
| 3 | 0245 | 6.6 | 2.0 | 18 | 0410 | 4.7 | 1.4 |
| | 0900 | 23.6 | 7.3 | | 1020 | 24.9 | 7.6 |
| FR | 1525 | 4.9 | 1.5 | SA | 1640 | 3.6 | 1.1 |
| VE | 2135 | 22.5 | 6.9 | SA | 2250 | 23.8 | 7.3 |
| 4 | 0345 | 5.5 | 1.7 | 19 | 0455 | 4.2 | 1.3 |
| | 0955 | 24.8 | 7.6 | | 1105 | 25.3 | 7.7 |
| SA | 1615 | 3.7 | 1.1 | SU | 1720 | 3.2 | 1.0 |
| SA | 2225 | 23.5 | 7.2 | DI | 2330 | 24.2 | 7.4 |
| 5 | 0435 | 4.4 | 1.3 | 20 | 0535 | 3.8 | 1.2 |
| | 1045 | 25.8 | 7.9 | | 1145 | 25.5 | 7.8 |
| SU | 1705 | 2.6 | .8 | MO | 1800 | 3.1 | .9 |
| DI | 2315 | 24.6 | 7.5 | LU | | | |
| 6 | 0525 | 3.3 | 1.0 | 21 | 0005 | 24.5 | 7.5 |
| | 1130 | 26.6 | 8.1 | | 0615 | 3.7 | 1.1 |
| MO | 1755 | 1.6 | .5 | TU | 1220 | 25.4 | 7.7 |
| LU | | | | MA | 1835 | 3.2 | 1.0 |
| 7 | 0000 | 25.5 | 7.8 | 22 | 0040 | 24.6 | 7.5 |
| | 0610 | 2.5 | .8 | | 0650 | 3.7 | 1.1 |
| TU | 1220 | 27.2 | 8.3 | WE | 1255 | 25.1 | 7.7 |
| MA | 1840 | 1.0 | .3 | ME | 1910 | 3.5 | 1.1 |
| 8 | 0050 | 26.2 | 8.0 | 23 | 0115 | 24.6 | 7.5 |
| | 0700 | 1.9 | .6 | | 0725 | 3.8 | 1.2 |
| WE | 1305 | 27.3 | 8.3 | TH | 1330 | 24.7 | 7.5 |
| ME | 1925 | .8 | .2 | JE | 1940 | 3.9 | 1.2 |
| 9 | 0135 | 26.6 | 8.1 | 24 | 0145 | 24.5 | 7.5 |
| | 0750 | 1.7 | .5 | | 0800 | 4.1 | 1.2 |
| TH | 1355 | 27.0 | 8.2 | FR | 1405 | 24.2 | 7.4 |
| JE | 2015 | 1.1 | .3 | VE | 2015 | 4.5 | 1.4 |
| 10 | 0225 | 26.6 | 8.1 | 25 | 0220 | 24.3 | 7.4 |
| | 0840 | 1.9 | .6 | | 0835 | 4.4 | 1.3 |
| FR | 1445 | 26.3 | 8.0 | SA | 1440 | 23.6 | 7.2 |
| VE | 2105 | 1.8 | .5 | SA | 2050 | 5.1 | 1.6 |
| 11 | 0315 | 26.2 | 8.0 | 26 | 0255 | 24.0 | 7.3 |
| | 0930 | 2.4 | .7 | | 0915 | 4.9 | 1.5 |
| SA | 1540 | 25.3 | 7.7 | SU | 1520 | 22.9 | 7.0 |
| SA | 2155 | 2.9 | .9 | DI | 2130 | 5.9 | 1.8 |
| 12 | 0405 | 25.5 | 7.8 | 27 | 0335 | 23.5 | 7.2 |
| | 1030 | 3.2 | 1.0 | | 0955 | 5.4 | 1.6 |
| SU | 1635 | 24.1 | 7.3 | MO | 1600 | 22.1 | 6.7 |
| DI | 2255 | 4.2 | 1.3 | LU | 2215 | 6.6 | 2.0 |
| 13 | 0505 | 24.7 | 7.5 | 28 | 0425 | 23.0 | 7.0 |
| | 1130 | 4.1 | 1.2 | | 1045 | 6.1 | 1.9 |
| MO | 1740 | 23.0 | 7.0 | TU | 1655 | 21.4 | 6.5 |
| LU | | | | MA | 2305 | 7.3 | 2.2 |
| 14 | 0000 | 5.2 | 1.6 | | | | |
| | 0615 | 23.9 | 7.3 | | | | |
| TU | 1240 | 4.8 | 1.5 | | | | |
| MA | 1850 | 22.3 | 6.8 | | | | |
| 15 | 0105 | 5.9 | 1.8 | | | | |
| | 0720 | 22.6 | 7.2 | | | | |
| WE | 1350 | 4.9 | 1.5 | | | | |
| ME | 2005 | 22.3 | 6.8 | | | | |

### MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0515 | 22.6 | 6.9 | 16 | 0050 | 6.5 | 2.0 |
| | 1145 | 6.5 | 2.0 | | 0705 | 23.1 | 7.0 |
| WE | 1750 | 21.0 | 6.4 | TH | 1330 | 5.8 | 1.7 |
| ME | | | | JE | 1945 | 22.1 | 6.7 |
| 2 | 0005 | 7.5 | 2.3 | 17 | 0200 | 6.3 | 1.9 |
| | 0620 | 22.4 | 6.8 | | 0810 | 23.3 | 7.1 |
| TH | 1245 | 5.8 | 2.0 | FR | 1435 | 5.3 | 1.6 |
| JE | 1900 | 21.0 | 6.4 | VE | 2045 | 22.6 | 6.9 |
| 3 | 0110 | 7.4 | 2.3 | 18 | 0300 | 5.8 | 1.8 |
| | 0725 | 22.8 | 6.9 | | 0910 | 23.9 | 7.3 |
| FR | 1355 | 6.0 | 1.8 | SA | 1525 | 4.7 | 1.4 |
| VE | 2005 | 21.6 | 6.6 | SA | 2140 | 23.3 | 7.1 |
| 4 | 0215 | 6.6 | 2.0 | 19 | 0350 | 5.0 | 1.5 |
| | 0830 | 23.6 | 7.2 | | 1000 | 24.4 | 7.4 |
| SA | 1455 | 5.0 | 1.5 | SU | 1615 | 4.2 | 1.3 |
| SA | 2105 | 22.7 | 6.9 | DI | 2225 | 23.9 | 7.3 |
| 5 | 0315 | 5.3 | 1.6 | 20 | 0435 | 4.4 | 1.3 |
| | 0925 | 24.7 | 7.5 | | 1040 | 24.8 | 7.6 |
| SU | 1550 | 3.6 | 1.1 | MO | 1655 | 3.9 | 1.2 |
| DI | 2200 | 24.1 | 7.3 | LU | 2300 | 24.4 | 7.4 |
| 6 | 0410 | 3.9 | 1.2 | 21 | 0510 | 4.0 | 1.2 |
| | 1020 | 25.9 | 7.9 | | 1120 | 24.9 | 7.6 |
| MO | 1640 | 2.3 | .7 | TU | 1730 | 3.8 | 1.2 |
| LU | 2250 | 25.4 | 7.7 | MA | 2335 | 24.7 | 7.5 |
| 7 | 0500 | 2.5 | .8 | 22 | 0550 | 3.8 | 1.2 |
| | 1110 | 26.9 | 8.2 | | 1155 | 24.9 | 7.6 |
| TU | 1730 | 1.3 | .4 | WE | 1805 | 3.9 | 1.2 |
| MA | 2335 | 26.6 | 8.1 | ME | | | |
| 8 | 0550 | 1.4 | .4 | 23 | 0010 | 24.9 | 7.6 |
| | 1200 | 27.5 | 8.4 | | 0620 | 3.7 | 1.1 |
| WE | 1815 | .7 | .2 | TH | 1230 | 24.7 | 7.5 |
| ME | | | | JE | 1835 | 4.2 | 1.3 |
| 9 | 0025 | 27.4 | 8.4 | 24 | 0040 | 24.9 | 7.6 |
| | 0640 | .8 | .2 | | 0655 | 3.7 | 1.1 |
| TH | 1245 | 27.6 | 8.4 | FR | 1300 | 24.4 | 7.4 |
| JE | 1905 | .6 | .2 | VE | 1910 | 4.5 | 1.4 |
| 10 | 0110 | 27.7 | 8.4 | 25 | 0115 | 24.9 | 7.6 |
| | 0725 | .6 | .2 | | 0730 | 3.8 | 1.2 |
| FR | 1335 | 27.2 | 8.3 | SA | 1335 | 24.0 | 7.3 |
| VE | 1950 | 1.1 | .3 | SA | 1945 | 5.0 | 1.5 |
| 11 | 0200 | 27.4 | 8.4 | 26 | 0145 | 24.7 | 7.5 |
| | 0815 | 1.1 | .3 | | 0805 | 4.1 | 1.2 |
| SA | 1425 | 26.3 | 8.0 | SU | 1410 | 23.5 | 7.2 |
| SA | 2040 | 2.2 | .7 | DI | 2020 | 5.5 | 1.7 |
| 12 | 0250 | 26.7 | 8.1 | 27 | 0225 | 24.4 | 7.4 |
| | 0910 | 2.0 | .6 | | 0845 | 4.6 | 1.4 |
| SU | 1520 | 25.1 | 7.7 | MO | 1450 | 23.0 | 7.0 |
| DI | 2135 | 3.5 | 1.1 | LU | 2100 | 6.1 | 1.9 |
| 13 | 0345 | 25.6 | 7.8 | 28 | 0305 | 23.9 | 7.3 |
| | 1005 | 3.2 | 1.0 | | 0925 | 5.2 | 1.6 |
| MO | 1620 | 23.9 | 7.3 | TU | 1530 | 22.4 | 6.8 |
| LU | 2230 | 4.9 | 1.5 | MA | 2140 | 6.7 | 2.0 |
| 14 | 0445 | 24.4 | 7.4 | 29 | 0350 | 23.4 | 7.1 |
| | 1110 | 4.4 | 1.3 | | 1015 | 5.8 | 1.8 |
| TU | 1725 | 22.7 | 6.9 | WE | 1620 | 21.8 | 6.6 |
| MA | 2340 | 6.0 | 1.8 | ME | 2235 | 7.2 | 2.2 |
| 15 | 0555 | 23.5 | 7.2 | 30 | 0445 | 22.9 | 7.0 |
| | 1220 | 5.3 | 1.6 | | 1110 | 6.3 | 1.9 |
| WE | 1835 | 22.1 | 6.7 | TH | 1720 | 21.4 | 6.5 |
| ME | | | | JE | 2335 | 7.5 | 2.3 |
| | | | | 31 | 0545 | 22.7 | 6.9 |
| | | | | | 1215 | 6.4 | 2.0 |
| | | | | FR | 1825 | 21.5 | 6.6 |
| | | | | VE | | | |

**To predict slack water at the Reversing Falls**

**At end of inward run: Add 2 hrs 25 m to H.W. Saint John.**

**At end of outward run: Add 3 hrs 50 m to L.W. Saint John.**

## TABLE DES MARÉES

# SAINT JOHN (HNA)

1989

### APRIL AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0040 | 7.3 | 2.2 | 16 | 0230 | 6.1 | 1.9 |
| | 0655 | 22.9 | 7.0 | | 0840 | 23.4 | 7.1 |
| SA | 1320 | 5.9 | 1.8 | SU | 1455 | 5.4 | 1.6 |
| SA | 1935 | 22.2 | 6.8 | DI | 2105 | 23.4 | 7.1 |
| 2 | 0150 | 6.4 | 2.0 | 17 | 0320 | 5.5 | 1.7 |
| | 0800 | 23.7 | 7.2 | | 0930 | 23.8 | 7.3 |
| SU | 1425 | 4.9 | 1.5 | MO | 1540 | 5.1 | 1.6 |
| DI | 2035 | 23.4 | 7.1 | LU | 2150 | 24.0 | 7.3 |
| 3 | 0250 | 5.1 | 1.6 | 18 | 0400 | 5.0 | 1.5 |
| | 0900 | 24.7 | 7.5 | | 1010 | 24.0 | 7.3 |
| MO | 1520 | 3.6 | 1.1 | TU | 1620 | 4.9 | 1.5 |
| LU | 2130 | 24.9 | 7.6 | MA | 2230 | 24.5 | 7.5 |
| 4 | 0345 | 3.5 | 1.1 | 19 | 0440 | 4.5 | 1.4 |
| | 0955 | 25.6 | 7.9 | | 1050 | 24.2 | 7.4 |
| TU | 1615 | 2.4 | .7 | WE | 1700 | 4.6 | 1.5 |
| MA | 2220 | 26.3 | 8.0 | ME | 2305 | 24.8 | 7.6 |
| 5 | 0440 | 2.1 | .6 | 20 | 0520 | 4.1 | 1.2 |
| | 1045 | 26.7 | 8.1 | | 1125 | 24.2 | 7.4 |
| WE | 1705 | 1.5 | .5 | TH | ✱735 | 4.9 | 1.5 |
| ME | 2310 | 27.4 | 8.4 | JE | 2340 | 25.0 | 7.6 |
| 6 | 0530 | 1.0 | .3 | 21 | 0555 | 3.9 | 1.2 |
| | 1135 | 27.2 | 8.3 | | 1200 | 24.2 | 7.4 |
| TH | 1750 | 1.2 | .4 | FR | 1805 | 5.1 | 1.6 |
| JE | | | | VE | | | |
| 7 | 0000 | 28.0 | 8.5 | 22 | 0010 | 25.1 | 7.7 |
| | 0620 | .5 | .2 | | 0630 | 3.8 | 1.2 |
| FR | 1225 | 27.2 | 8.3 | SA | 1235 | 24.0 | 7.3 |
| VE | 1840 | 1.3 | .4 | SA | 1840 | 5.3 | 1.6 |
| 8 | 0045 | 28.0 | 8.5 | 23 | 0045 | 25.1 | 7.7 |
| | 0705 | .5 | .2 | | 0705 | 3.9 | 1.2 |
| SA | 1315 | 26.7 | 8.1 | SU | 1310 | 23.8 | 7.3 |
| SA | 1930 | 2.0 | .6 | DI | 1915 | 5.6 | 1.7 |
| 9 | 0135 | 27.5 | 8.4 | 24 | 0120 | 24.9 | 7.6 |
| | 0800 | 1.2 | .4 | | 0740 | 4.1 | 1.2 |
| SU | 1405 | 25.9 | 7.9 | MO | 1345 | 23.5 | 7.2 |
| DI | 2020 | 3.1 | .9 | LU | 1955 | 5.9 | 1.8 |
| 10 | 0230 | 26.5 | 8.1 | 25 | 0200 | 24.7 | 7.5 |
| | 0850 | 2.3 | .7 | | 0820 | 4.5 | 1.4 |
| MO | 1500 | 24.7 | 7.5 | TU | 1425 | 23.1 | 7.0 |
| LU | 2115 | 4.4 | 1.3 | MA | 2035 | 6.3 | 1.9 |
| 11 | 0325 | 25.4 | 7.7 | 26 | 0240 | 24.3 | 7.4 |
| | 0950 | 3.6 | 1.1 | | 0905 | 5.0 | 1.5 |
| TU | 1600 | 23.6 | 7.2 | WE | 1510 | 22.7 | 6.9 |
| MA | 2215 | 5.6 | 1.7 | ME | 2120 | 6.7 | 2.0 |
| 12 | 0425 | 24.2 | 7.4 | 27 | 0330 | 23.9 | 7.3 |
| | 1050 | 4.8 | 1.5 | | 0955 | 5.4 | 1.6 |
| WE | 1705 | 22.7 | 6.9 | TH | 1600 | 22.4 | 6.8 |
| ME | 2320 | 6.4 | 2.0 | JE | 2215 | 7.0 | 2.1 |
| 13 | 0535 | 23.4 | 7.1 | 28 | 0420 | 23.5 | 7.2 |
| | 1155 | 5.6 | 1.7 | | 1050 | 5.8 | 1.8 |
| TH | 1815 | 22.3 | 6.8 | FR | 1700 | 22.2 | 6.8 |
| JE | | | | VE | 2315 | 7.1 | 2.2 |
| 14 | 0025 | 6.8 | 2.1 | 29 | 0525 | 23.3 | 7.1 |
| | 0640 | 23.0 | 7.0 | | 1150 | 5.8 | 1.8 |
| FR | 1300 | 5.9 | 1.8 | SA | 1805 | 22.5 | 6.9 |
| VE | 1920 | 22.4 | 6.8 | SA | | | |
| 15 | 0130 | 6.6 | 2.0 | 30 | 0020 | 6.8 | 2.1 |
| | 0745 | 23.1 | 7.0 | | 0630 | 23.3 | 7.1 |
| SA | 1400 | 5.8 | 1.8 | SU | 1255 | 5.4 | 1.6 |
| SA | 2015 | 22.8 | 6.9 | DI | 1905 | 23.2 | 7.1 |

### MAY MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0125 | 6.0 | 1.8 | 16 | 0240 | 6.1 | 1.9 |
| | 0730 | 23.9 | 7.3 | | 0850 | 23.0 | 7.0 |
| MO | 1355 | 4.7 | 1.4 | TU | 1500 | 6.1 | 1.9 |
| LU | 2005 | 24.3 | 7.4 | MA | 2110 | 23.8 | 7.3 |
| 2 | 0225 | 4.7 | 1.4 | 17 | 0325 | 5.5 | 1.7 |
| | 0835 | 24.8 | 7.5 | | 0935 | 23.2 | 7.1 |
| TU | 1455 | 3.7 | 1.1 | WE | 1540 | 5.9 | 1.8 |
| MA | 2105 | 25.6 | 7.8 | ME | 2150 | 24.3 | 7.4 |
| 3 | 0325 | 3.3 | 1.0 | 18 | 0410 | 5.0 | 1.5 |
| | 0930 | 25.5 | 7.8 | | 1015 | 23.4 | 7.1 |
| WE | 1545 | 2.9 | .9 | TH | 1620 | 5.8 | 1.8 |
| ME | 2155 | 26.7 | 8.1 | JE | 2230 | 24.7 | 7.5 |
| 4 | 0415 | 2.1 | .6 | 19 | 0445 | 4.8 | 1.4 |
| | 1025 | 26.1 | 8.0 | | 1055 | 23.6 | 7.2 |
| TH | 1640 | 2.4 | .7 | FR | 1700 | 5.8 | 1.8 |
| JE | 2245 | 27.5 | 8.4 | VE | 2305 | 25.0 | 7.6 |
| 5 | 0510 | 1.2 | .4 | 20 | 0525 | 4.2 | 1.3 |
| | 1115 | 26.4 | 8.0 | | 1135 | 23.7 | 7.2 |
| FR | 1730 | 2.3 | .7 | SA | 1740 | 5.7 | 1.7 |
| VE | 2335 | 27.0 | 8.5 | SA | 2345 | 25.1 | 7.7 |
| 6 | 0600 | .9 | .3 | 21 | 0605 | 4.0 | 1.2 |
| | 1210 | 26.4 | 8.0 | | 1210 | 23.7 | 7.2 |
| SA | 1820 | 2.5 | .8 | SU | 1315 | 5.7 | 1.7 |
| SA | | | | DI | | | |
| 7 | 0025 | 27.7 | 8.4 | 22 | 0020 | 25.2 | 7.7 |
| | 0650 | 1.2 | .4 | | 0640 | 4.0 | 1.2 |
| SU | 1300 | 25.9 | 7.9 | MO | 1250 | 23.7 | 7.2 |
| DI | 1910 | 3.2 | 1.0 | LU | 1855 | 5.7 | 1.7 |
| 8 | 0120 | 27.1 | 8.3 | 23 | 0100 | 25.2 | 7.7 |
| | 0740 | 1.9 | .6 | | 0720 | 4.0 | 1.2 |
| MO | 1350 | 25.2 | 7.7 | TU | 1330 | 23.6 | 7.2 |
| LU | 2005 | 4.0 | 1.2 | MA | 1935 | 5.8 | 1.8 |
| 9 | 0210 | 26.2 | 8.0 | 24 | 0140 | 25.0 | 7.6 |
| | 0835 | 2.8 | .9 | | 0805 | 4.2 | 1.3 |
| TU | 1445 | 24.4 | 7.4 | WE | 1410 | 23.4 | 7.1 |
| MA | 2055 | 4.9 | 1.5 | ME | 2020 | 6.0 | 1.8 |
| 10 | 0305 | 25.3 | 7.7 | 25 | 0225 | 24.8 | 7.6 |
| | 0930 | 3.9 | 1.2 | | 0850 | 4.4 | 1.3 |
| WE | 1545 | 23.7 | 7.2 | TH | 1455 | 23.3 | 7.1 |
| ME | 2155 | 5.7 | 1.7 | JE | 2105 | 6.1 | 1.9 |
| 11 | 0405 | 24.4 | 7.4 | 26 | 0310 | 24.5 | 7.5 |
| | 1025 | 4.8 | 1.5 | | 0935 | 4.6 | 1.4 |
| TH | 1645 | 23.1 | 7.0 | FR | 1545 | 23.3 | 7.1 |
| JE | 2255 | 6.4 | 2.0 | VE | 2200 | 6.2 | 1.9 |
| 12 | 0505 | 23.6 | 7.2 | 27 | 0405 | 24.2 | 7.4 |
| | 1125 | 5.6 | 1.7 | | 1030 | 4.8 | 1.5 |
| FR | 1740 | 23.0 | 6.9 | SA | 1640 | 23.4 | 7.1 |
| VE | 2355 | 6.7 | 2.0 | SA | 2255 | 6.2 | 1.9 |
| 13 | 0605 | 23.2 | 7.1 | 28 | 0505 | 23.9 | 7.3 |
| | 1225 | 6.0 | 1.8 | | 1130 | 4.9 | 1.5 |
| SA | 1840 | 22.8 | 6.9 | SU | 1740 | 23.7 | 7.2 |
| SA | | | | DI | | | |
| 14 | 0055 | 6.8 | 2.1 | 29 | 0000 | 5.9 | 1.8 |
| | 0705 | 22.9 | 7.0 | | 0605 | 23.8 | 7.3 |
| SU | 1320 | 6.2 | 1.9 | MO | 1230 | 4.8 | 1.5 |
| DI | 1935 | 23.0 | 7.0 | LU | 1840 | 24.2 | 7.4 |
| 15 | 0150 | 6.5 | 2.0 | 30 | 0100 | 5.2 | 1.6 |
| | 0800 | 22.9 | 7.0 | | 0710 | 23.9 | 7.3 |
| MO | 1410 | 6.1 | 1.9 | TU | 1330 | 4.6 | 1.4 |
| LU | 2020 | 23.4 | 7.1 | MA | 1940 | 25.0 | 7.6 |
| | | | | 31 | 0200 | 4.3 | 1.3 |
| | | | | | 0810 | 24.3 | 7.4 |
| | | | | WE | 1425 | 4.1 | 1.2 |
| | | | | ME | 2040 | 25.8 | 7.9 |

### JUNE JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0300 | 3.3 | 1.0 | 16 | 0330 | 5.4 | 1.6 |
| | 0910 | 24.7 | 7.5 | | 0940 | 22.6 | 6.9 |
| TH | 1525 | 3.8 | 1.2 | FR | 1545 | 6.6 | 2.0 |
| JE | 2135 | 26.5 | 8.1 | VE | 2150 | 24.3 | 7.4 |
| 2 | 0355 | 2.5 | .8 | 17 | 0415 | 4.9 | 1.5 |
| | 1005 | 25.1 | 7.7 | | 1025 | 22.9 | 7.0 |
| FR | 1620 | 3.5 | 1.1 | SA | 1625 | 6.2 | 1.9 |
| VE | 2225 | 27.0 | 8.2 | SA | 2235 | 24.7 | 7.5 |
| 3 | 0450 | 1.9 | .6 | 18 | 0455 | 4.4 | 1.3 |
| | 1100 | 25.4 | 7.7 | | 1105 | 23.3 | 7.1 |
| SA | 1710 | 3.4 | 1.0 | SU | 1710 | 5.9 | 1.8 |
| SA | 2320 | 27.1 | 8.3 | DI | 2315 | 25.1 | 7.7 |
| 4 | 0545 | 1.8 | .5 | 19 | 0535 | 4.0 | 1.2 |
| | 1155 | 25.3 | 7.7 | | 1145 | 23.6 | 7.2 |
| SU | 1805 | 3.6 | 1.1 | MO | 1750 | 5.5 | 1.7 |
| DI | | | | LU | 2355 | 25.4 | 7.7 |
| 5 | 0010 | 26.9 | 8.2 | 20 | 0620 | 3.7 | 1.1 |
| | 0635 | 2.0 | .6 | | 1225 | 23.8 | 7.3 |
| MO | 1245 | 25.1 | 7.7 | TU | 1835 | 5.3 | 1.6 |
| LU | 1855 | 3.9 | 1.2 | MA | | | |
| 6 | 0105 | 26.5 | 8.1 | 21 | 0040 | 25.5 | 7.8 |
| | 0725 | 2.4 | .7 | | 0700 | 3.4 | 1.0 |
| TU | 1340 | 24.8 | 7.6 | WE | 1310 | 24.0 | 7.3 |
| MA | 1945 | 4.3 | 1.3 | ME | 1915 | 5.1 | 1.6 |
| 7 | 0155 | 26.0 | 7.9 | 22 | 0125 | 25.6 | 7.8 |
| | 0815 | 3.1 | .9 | | 0745 | 3.3 | 1.0 |
| WE | 1430 | 24.4 | 7.4 | TH | 1355 | 24.2 | 7.4 |
| ME | 2040 | 4.9 | 1.5 | JE | 2000 | 4.9 | 1.5 |
| 8 | 0245 | 25.3 | 7.7 | 23 | 0210 | 25.5 | 7.8 |
| | 0905 | 3.8 | 1.2 | | 0830 | 3.3 | 1.0 |
| TH | 1520 | 23.9 | 7.3 | FR | 1440 | 24.3 | 7.4 |
| JE | 2130 | 5.4 | 1.6 | VE | 2050 | 4.9 | 1.5 |
| 9 | 0340 | 24.6 | 7.5 | 24 | 0255 | 25.2 | 7.7 |
| | 0955 | 4.6 | 1.4 | | 0920 | 3.5 | 1.1 |
| FR | 1610 | 23.6 | 7.2 | SA | 1530 | 24.4 | 7.4 |
| VE | 2220 | 5.9 | 1.8 | SA | 2140 | 4.9 | 1.5 |
| 10 | 0430 | 23.8 | 7.3 | 25 | 0345 | 24.8 | 7.6 |
| | 1045 | 5.3 | 1.6 | | 1010 | 3.7 | 1.1 |
| SA | 1700 | 23.3 | 7.1 | SU | 1620 | 24.8 | 7.5 |
| SA | 2315 | 6.4 | 2.0 | DI | 2235 | 4.9 | 1.5 |
| 11 | 0520 | 23.2 | 7.1 | 26 | 0445 | 24.4 | 7.4 |
| | 1140 | 5.9 | 1.8 | | 1105 | 4.1 | 1.2 |
| SU | 1750 | 23.1 | 7.0 | MO | 1715 | 24.7 | 7.5 |
| DI | | | | LU | 2335 | 4.8 | 1.5 |
| 12 | 0005 | 6.6 | 2.0 | 27 | 0540 | 23.9 | 7.3 |
| | 0615 | 22.6 | 6.9 | | 1200 | 4.4 | 1.3 |
| MO | 1230 | 6.4 | 2.0 | TU | 1815 | 24.8 | 7.6 |
| LU | 1840 | 23.1 | 7.0 | MA | | | |
| 13 | 0100 | 6.6 | 2.0 | 28 | 0040 | 4.5 | 1.4 |
| | 0710 | 22.3 | 6.8 | | 0645 | 23.7 | 7.2 |
| TU | 1320 | 6.7 | 2.0 | WE | 1305 | 4.7 | 1.4 |
| MA | 1930 | 23.2 | 7.1 | ME | 1915 | 25.1 | 7.7 |
| 14 | 0150 | 6.4 | 2.0 | 29 | 0140 | 4.1 | 1.2 |
| | 0800 | 22.2 | 6.8 | | 0750 | 23.8 | 7.2 |
| WE | 1410 | 6.8 | 2.1 | TH | 1405 | 4.7 | 1.4 |
| ME | 2020 | 23.5 | 7.2 | JE | 2015 | 25.4 | 7.7 |
| 15 | 0240 | 6.0 | 1.8 | 30 | 0245 | 3.8 | 1.1 |
| | 0850 | 22.3 | 6.8 | | 0855 | 23.8 | 7.3 |
| TH | 1500 | 6.8 | 2.1 | FR | 1505 | 4.6 | 1.4 |
| JE | 2110 | 23.9 | 7.3 | VE | 2115 | 25.7 | 7.8 |

**Pour calculer l'heure de l'étale aux chutes réversibles:**

**A la fin du flux: ajouter 2 h 25 à la pleine mer a Saint John.**
**A la fin du reflux: ajouter 3 h 50 à la basse mer a Saint John.**

# SAINT JOHN (AST)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0345 | 3.1 | 9 | 16 | 0340 | 5.1 | 16 |
| | 0955 | 24.1 | 73 | | 0950 | 22.5 | 69 |
| SA | 1605 | 4.4 | 13 | SU | 1555 | 6.2 | 19 |
| SA | 2215 | 26.0 | 79 | DI | 2205 | 24.5 | 75 |
| 2 | 0440 | 2.7 | 8 | 17 | 0425 | 4.4 | 13 |
| | 1050 | 24.4 | 74 | | 1035 | 23.1 | 70 |
| SU | 1700 | 4.2 | 13 | MO | 1640 | 5.5 | 17 |
| DI | 2310 | 26.2 | 80 | LU | 2250 | 25.1 | 77 |
| 3 | 0530 | 2.4 | 7 | 18 | 0510 | 3.8 | 11 |
| | 1145 | 24.6 | 75 | | 1120 | 23.7 | 72 |
| MO | 1750 | 4.0 | 12 | TU | 1725 | 4.8 | 15 |
| LU | | | | MA | 2335 | 25.7 | 78 |
| 4 | 0000 | 26.3 | 80 | 19 | 0555 | 3.0 | 9 |
| | 0620 | 2.4 | 7 | | 1200 | 24.3 | 74 |
| TU | 1230 | 24.7 | 75 | WE | 1810 | 4.2 | 13 |
| MA | 1840 | 4.0 | 12 | ME | | | |
| 5 | 0050 | 26.1 | 80 | 20 | 0015 | 26.0 | 79 |
| | 0710 | 2.8 | 8 | | 0640 | 2.5 | 8 |
| WE | 1320 | 24.8 | 75 | TH | 1245 | 24.8 | 76 |
| ME | 1930 | 4.1 | 12 | JE | 1855 | 3.8 | 12 |
| 6 | 0135 | 25.8 | 79 | 21 | 0100 | 26.2 | 80 |
| | 0755 | 3.0 | 9 | | 0725 | 2.2 | 7 |
| TH | 1405 | 24.5 | 75 | FR | 1330 | 25.2 | 77 |
| JE | 2015 | 4.4 | 13 | VE | 1940 | 3.5 | 11 |
| 7 | 0220 | 25.2 | 77 | 22 | 0150 | 26.1 | 80 |
| | 0840 | 3.6 | 11 | | 0810 | 2.2 | 7 |
| FR | 1450 | 24.2 | 74 | SA | 1415 | 25.6 | 78 |
| VE | 2055 | 4.8 | 15 | SA | 2030 | 3.3 | 10 |
| 8 | 0305 | 24.6 | 75 | 23 | 0235 | 25.8 | 79 |
| | 0920 | 4.2 | 13 | | 0855 | 2.4 | 7 |
| SA | 1530 | 23.9 | 73 | SU | 1505 | 25.6 | 78 |
| SA | 2140 | 5.3 | 16 | DI | 2120 | 3.4 | 10 |
| 9 | 0350 | 23.8 | 73 | 24 | 0325 | 25.2 | 77 |
| | 1005 | 6.0 | 15 | | 0945 | 2.9 | 9 |
| SU | 1615 | 23.6 | 72 | MO | 1555 | 25.5 | 78 |
| DI | 2225 | 5.8 | 18 | LU | 2215 | 3.6 | 11 |
| 10 | 0435 | 23.0 | 70 | 25 | 0420 | 24.4 | 74 |
| | 1050 | 5.7 | 17 | | 1040 | 3.7 | 11 |
| MO | 1700 | 23.3 | 71 | TU | 1650 | 25.1 | 77 |
| LU | 2315 | 6.2 | 19 | MA | 2315 | 4.0 | 12 |
| 11 | 0525 | 22.3 | 68 | 26 | 0520 | 23.7 | 72 |
| | 1135 | 6.5 | 20 | | 1140 | 4.5 | 14 |
| TU | 1750 | 23.1 | 70 | WE | 1755 | 24.7 | 75 |
| MA | | | | ME | | | |
| 12 | 0005 | 6.4 | 20 | 27 | 0020 | 4.3 | 13 |
| | 0615 | 21.8 | 66 | | 0625 | 23.0 | 70 |
| WE | 1225 | 7.0 | 21 | TH | 1245 | 5.2 | 16 |
| ME | 1840 | 23.0 | 70 | JE | 1855 | 24.5 | 75 |
| 13 | 0100 | 6.4 | 20 | 28 | 0125 | 4.4 | 13 |
| | 0710 | 21.5 | 66 | | 0735 | 22.8 | 69 |
| TH | 1320 | 7.3 | 22 | FR | 1350 | 5.5 | 17 |
| JE | 1930 | 23.1 | 70 | VE | 2005 | 24.5 | 75 |
| 14 | 0155 | 6.2 | 19 | 29 | 0230 | 4.1 | 12 |
| | 0805 | 21.6 | 66 | | 0845 | 22.9 | 70 |
| FR | 1410 | 7.2 | 22 | SA | 1455 | 5.3 | 16 |
| VE | 2025 | 23.4 | 71 | SA | 2105 | 24.8 | 76 |
| 15 | 0250 | 5.7 | 17 | 30 | 0330 | 3.7 | 11 |
| | 0900 | 22.0 | 67 | | 0945 | 23.4 | 71 |
| SA | 1505 | 6.8 | 21 | SU | 1555 | 4.8 | 15 |
| SA | 2115 | 23.9 | 73 | DI | 2205 | 25.3 | 77 |
| | | | | 31 | 0430 | 3.1 | 9 |
| | | | | | 1040 | 23.9 | 73 |
| | | | | MO | 1650 | 4.3 | 13 |
| | | | | LU | 2300 | 25.7 | 78 |

### AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0520 | 2.7 | 8 | 16 | 0440 | 3.2 | 10 |
| | 1130 | 24.3 | 74 | | 1050 | 24.2 | 74 |
| TU | 1735 | 3.9 | 12 | WE | 1700 | 3.9 | 12 |
| MA | 2345 | 25.9 | 79 | ME | 2305 | 26.0 | 79 |
| 2 | 0605 | 2.6 | 8 | 17 | 0525 | 2.3 | 7 |
| | 1215 | 24.6 | 75 | | 1135 | 25.1 | 77 |
| WE | 1820 | 3.7 | 11 | TH | 1745 | 3.0 | 9 |
| ME | | | | JE | 2355 | 26.5 | 81 |
| 3 | 0030 | 25.8 | 79 | 18 | 0610 | 1.8 | 5 |
| | 0645 | 2.7 | 8 | | 1220 | 25.9 | 79 |
| TH | 1255 | 24.7 | 75 | FR | 1830 | 2.4 | 7 |
| JE | 1905 | 3.7 | 11 | VE | | | |
| 4 | 0110 | 25.5 | 78 | 19 | 0040 | 26.7 | 81 |
| | 0725 | 3.0 | 9 | | 0655 | 1.3 | 4 |
| FR | 1335 | 24.8 | 75 | SA | 1305 | 26.4 | 80 |
| VE | 1945 | 3.9 | 12 | SA | 1920 | 2.0 | 6 |
| 5 | 0150 | 25.0 | 76 | 20 | 0125 | 26.6 | 81 |
| | 0805 | 3.5 | 11 | | 0745 | 1.4 | 4 |
| SA | 1410 | 24.5 | 75 | SU | 1350 | 26.6 | 81 |
| SA | 2020 | 4.3 | 13 | DI | 2010 | 2.0 | 6 |
| 6 | 0230 | 24.3 | 74 | 21 | 0215 | 26.0 | 79 |
| | 0840 | 4.2 | 13 | | 0830 | 2.0 | 6 |
| SU | 1450 | 24.2 | 74 | MO | 1440 | 26.4 | 80 |
| DI | 2100 | 4.7 | 14 | LU | 2100 | 2.3 | 7 |
| 7 | 0310 | 23.6 | 72 | 22 | 0305 | 25.2 | 77 |
| | 0920 | 4.9 | 15 | | 0925 | 2.9 | 9 |
| MO | 1530 | 23.9 | 73 | TU | 1535 | 25.8 | 79 |
| LU | 2145 | 5.2 | 16 | MA | 2155 | 3.0 | 9 |
| 8 | 0350 | 22.9 | 70 | 23 | 0400 | 24.2 | 74 |
| | 1000 | 5.7 | 17 | | 1020 | 4.0 | 12 |
| TU | 1610 | 23.5 | 72 | WE | 1630 | 25.0 | 76 |
| MA | 2225 | 5.6 | 17 | ME | 2255 | 3.8 | 12 |
| 9 | 0435 | 22.1 | 67 | 24 | 0505 | 23.1 | 70 |
| | 1045 | 6.5 | 20 | | 1120 | 5.1 | 16 |
| WE | 1655 | 23.1 | 70 | TH | 1735 | 24.2 | 74 |
| ME | 2315 | 6.1 | 19 | JE | | | |
| 10 | 0525 | 21.5 | 66 | 25 | 0000 | 4.5 | 14 |
| | 1135 | 7.1 | 22 | | 0615 | 22.4 | 68 |
| TH | 1750 | 22.8 | 69 | FR | 1230 | 5.8 | 18 |
| JE | | | | VE | 1845 | 23.8 | 73 |
| 11 | 0010 | 6.4 | 20 | 26 | 0115 | 4.8 | 15 |
| | 0620 | 21.2 | 65 | | 0730 | 22.2 | 68 |
| FR | 1230 | 7.4 | 23 | SA | 1340 | 5.9 | 18 |
| VE | 1845 | 22.7 | 69 | SA | 1955 | 23.8 | 73 |
| 12 | 0110 | 6.3 | 19 | 27 | 0220 | 4.6 | 14 |
| | 0720 | 21.2 | 65 | | 0835 | 22.8 | 69 |
| SA | 1330 | 7.3 | 22 | SU | 1445 | 5.5 | 17 |
| SA | 1940 | 23.0 | 70 | DI | 2100 | 24.3 | 74 |
| 13 | 0205 | 5.9 | 18 | 28 | 0320 | 4.0 | 12 |
| | 0820 | 21.6 | 66 | | 0935 | 23.2 | 71 |
| SU | 1425 | 6.8 | 21 | MO | 1545 | 4.8 | 15 |
| DI | 2040 | 23.6 | 72 | LU | 2155 | 24.9 | 76 |
| 14 | 0300 | 5.2 | 16 | 29 | 0415 | 3.4 | 10 |
| | 0910 | 22.3 | 68 | | 1025 | 23.9 | 73 |
| MO | 1520 | 6.0 | 18 | TU | 1635 | 4.1 | 12 |
| LU | 2130 | 24.4 | 74 | MA | 2245 | 25.4 | 77 |
| 15 | 0355 | 4.2 | 13 | 30 | 0500 | 2.9 | 9 |
| | 1000 | 23.2 | 71 | | 1110 | 24.4 | 74 |
| TU | 1610 | 4.9 | 15 | WE | 1720 | 3.6 | 11 |
| MA | 2220 | 25.2 | 77 | ME | 2325 | 25.5 | 78 |
| | | | | 31 | 0540 | 2.8 | 9 |
| | | | | | 1150 | 24.8 | 76 |
| | | | | TH | 1800 | 3.4 | 10 |
| | | | | JE | | | |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0005 | 25.4 | 77 | 16 | 0545 | 1.2 | 4 |
| | 0620 | 2.9 | 9 | | 1155 | 27.0 | 82 |
| FR | 1225 | 24.9 | 76 | SA | 1810 | 1.3 | 4 |
| VE | 1835 | 3.4 | 10 | SA | | | |
| 2 | 0040 | 25.1 | 77 | 17 | 0015 | 26.9 | 82 |
| | 0655 | 3.3 | 10 | | 0630 | 1.1 | 3 |
| SA | 1300 | 24.8 | 76 | SU | 1240 | 27.4 | 84 |
| SA | 1910 | 3.6 | 11 | DI | 1855 | 1.0 | 3 |
| 3 | 0120 | 24.6 | 75 | 18 | 0105 | 26.6 | 81 |
| | 0730 | 3.8 | 12 | | 0720 | 1.5 | 5 |
| SU | 1335 | 24.7 | 75 | MO | 1325 | 27.2 | 83 |
| DI | 1950 | 3.9 | 12 | LU | 1945 | 1.3 | 4 |
| 4 | 0155 | 24.0 | 73 | 19 | 0155 | 25.9 | 79 |
| | 0805 | 4.5 | 14 | | 0810 | 2.3 | 7 |
| MO | 1410 | 24.4 | 74 | TU | 1415 | 26.6 | 81 |
| LU | 2025 | 4.3 | 13 | MA | 2040 | 2.0 | 6 |
| 5 | 0230 | 23.4 | 71 | 20 | 0245 | 24.9 | 76 |
| | 0840 | 5.2 | 16 | | 0900 | 3.5 | 11 |
| TU | 1445 | 24.0 | 73 | WE | 1510 | 25.7 | 78 |
| MA | 2105 | 4.8 | 15 | ME | 2135 | 3.0 | 9 |
| 6 | 0310 | 22.8 | 69 | 21 | 0345 | 23.7 | 72 |
| | 0920 | 5.9 | 18 | | 1000 | 4.7 | 14 |
| WE | 1525 | 23.6 | 72 | TH | 1615 | 24.6 | 75 |
| ME | 2145 | 5.3 | 16 | JE | 2240 | 4.1 | 12 |
| 7 | 0355 | 22.1 | 67 | 22 | 0455 | 22.7 | 69 |
| | 1000 | 6.6 | 20 | | 1105 | 5.8 | 18 |
| TH | 1610 | 23.1 | 70 | FR | 1720 | 23.7 | 72 |
| JE | 2235 | 5.9 | 18 | VE | 2350 | 4.9 | 15 |
| 8 | 0440 | 21.5 | 66 | 23 | 0605 | 22.2 | 68 |
| | 1050 | 7.1 | 22 | | 1220 | 6.3 | 19 |
| FR | 1705 | 22.7 | 69 | SA | 1835 | 23.4 | 71 |
| VE | 2325 | 6.3 | 19 | SA | | | |
| 9 | 0540 | 21.1 | 64 | 24 | 0100 | 5.1 | 16 |
| | 1145 | 7.4 | 23 | | 0720 | 22.3 | 68 |
| SA | 1800 | 22.8 | 69 | SU | 1330 | 6.1 | 19 |
| SA | | | | DI | 1945 | 23.6 | 72 |
| 10 | 0025 | 6.4 | 20 | 25 | 0205 | 4.8 | 15 |
| | 0640 | 21.1 | 64 | | 0820 | 22.8 | 69 |
| SU | 1250 | 7.3 | 22 | MO | 1430 | 6.4 | 16 |
| DI | 1905 | 22.8 | 69 | LU | 2045 | 24.1 | 73 |
| 11 | 0130 | 6.0 | 18 | 26 | 0305 | 4.2 | 13 |
| | 0740 | 21.8 | 66 | | 0915 | 23.8 | 72 |
| MO | 1350 | 6.7 | 20 | TU | 1525 | 4.7 | 14 |
| LU | 2005 | 23.4 | 71 | MA | 2135 | 24.7 | 75 |
| 12 | 0225 | 5.1 | 16 | 27 | 0350 | 3.7 | 11 |
| | 0835 | 22.6 | 69 | | 1005 | 24.2 | 74 |
| TU | 1450 | 5.6 | 17 | WE | 1615 | 4.0 | 12 |
| MA | 2100 | 24.3 | 74 | ME | 2220 | 25.0 | 76 |
| 13 | 0320 | 4.9 | 12 | 28 | 0435 | 3.4 | 10 |
| | 0930 | 23.8 | 73 | | 1045 | 24.7 | 75 |
| WE | 1540 | 4.4 | 13 | TH | 1655 | 3.6 | 11 |
| ME | 2150 | 25.3 | 77 | JE | 2300 | 25.1 | 77 |
| 14 | 0410 | 2.8 | 9 | 29 | 0515 | 3.4 | 10 |
| | 1020 | 25.0 | 76 | | 1120 | 25.0 | 76 |
| TH | 1630 | 3.1 | 9 | FR | 1730 | 3.4 | 10 |
| JE | 2240 | 26.2 | 80 | VE | 2340 | 24.9 | 76 |
| 15 | 0500 | 1.8 | 5 | 30 | 0550 | 3.6 | 11 |
| | 1105 | 25.2 | 80 | | 1155 | 25.1 | 77 |
| FR | 1720 | 2.0 | 6 | SA | 1805 | 3.4 | 10 |
| VE | 2330 | 24.7 | 81 | SA | | | |

To predict slack water at the Reversing Falls

At end of inward run: Add 2 hrs 25 m to H.W. Saint John.
At end of outward run: Add 3 hrs 50 m to L.W. Saint John.

## TABLE DES MARÉES

# SAINT JOHN (HNA)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0015 | **24.6** | | 7.5 | | **16** | 0610 | **1.8** | | | 5 |
| | 0625 | **4.0** | | 1.2 | | | 1215 | **27.8** | | 8.5 | |
| SU | 1225 | **25.0** | | 7.6 | | MO | 1835 | **.7** | | | 2 |
| DI | 1840 | **3.5** | | 1.1 | | LU | | | | | |
| 2 | 0050 | **24.2** | | 7.4 | | **17** | 0045 | **26.3** | | 8.0 | |
| | 0655 | **4.5** | | 1.4 | | | 0700 | **2.1** | | .6 | |
| MO | 1300 | **24.9** | | 7.6 | | TU | 1305 | **27.4** | | 8.4 | |
| LU | 1915 | **3.8** | | 1.2 | | MA | 1930 | **1.2** | | 4 | |
| 3 | 0120 | **23.8** | | 7.3 | | **18** | 0135 | **25.6** | | 7.8 | |
| | 0730 | **5.0** | | 1.5 | | | 0750 | **3.1** | | .9 | |
| TU | 1335 | **24.6** | | 7.5 | | WE | 1400 | **26.5** | | 8.1 | |
| MA | 1950 | **4.2** | | 1.3 | | ME | 2020 | **2.2** | | .7 | |
| 4 | 0200 | **23.3** | | 7.1 | | **19** | 0230 | **24.8** | | 7.5 | |
| | 0805 | **5.6** | | 1.7 | | | 0845 | **4.2** | | 1.3 | |
| WE | 1410 | **24.2** | | 7.4 | | TH | 1455 | **25.5** | | 7.8 | |
| ME | 2030 | **4.6** | | 1.4 | | JE | 2120 | **3.3** | | 1.0 | |
| 5 | 0235 | **22.8** | | 6.9 | | **20** | 0335 | **23.5** | | 7.2 | |
| | 0845 | **6.1** | | 1.9 | | | 0945 | **5.2** | | 1.6 | |
| TH | 1450 | **23.8** | | 7.3 | | FR | 1600 | **24.4** | | 7.4 | |
| JE | 2110 | **5.2** | | 1.6 | | VE | 2225 | **4.3** | | 1.3 | |
| 6 | 0320 | **22.2** | | 6.8 | | **21** | 0440 | **22.8** | | 6.9 | |
| | 0930 | **6.7** | | 2.0 | | | 1055 | **6.0** | | 1.8 | |
| FR | 1535 | **23.3** | | 7.1 | | SA | 1710 | **23.7** | | 7.2 | |
| VE | 2200 | **5.7** | | 1.7 | | SA | 2330 | **5.0** | | 1.5 | |
| 7 | 0405 | **21.8** | | 6.6 | | **22** | 0550 | **22.5** | | 6.9 | |
| | 1015 | **7.1** | | 2.2 | | | 1200 | **6.3** | | 1.9 | |
| SA | 1625 | **22.9** | | 7.0 | | SU | 1815 | **23.4** | | 7.1 | |
| SA | 2250 | **6.1** | | 1.9 | | DI | | | | | |
| 8 | 0500 | **21.5** | | 6.6 | | **23** | 0040 | **5.2** | | 1.6 | |
| | 1115 | **7.3** | | 2.2 | | | 0655 | **22.7** | | 6.9 | |
| SU | 1725 | **22.7** | | 6.9 | | MO | 1310 | **6.0** | | 1.8 | |
| DI | 2350 | **6.2** | | 1.9 | | LU | 1920 | **23.5** | | 7.2 | |
| 9 | 0605 | **21.8** | | 6.6 | | **24** | 0140 | **5.0** | | 1.5 | |
| | 1215 | **7.2** | | 2.2 | | | 0755 | **23.2** | | 7.1 | |
| MO | 1830 | **22.9** | | 7.0 | | TU | 1410 | **5.5** | | 1.7 | |
| LU | | | | | | MA | 2020 | **23.8** | | 7.3 | |
| 10 | 0055 | **5.8** | | 1.8 | | **25** | 0235 | **4.7** | | 1.4 | |
| | 0705 | **22.1** | | 6.7 | | | 0845 | **23.8** | | 7.3 | |
| TU | 1320 | **6.5** | | 2.0 | | WE | 1500 | **4.9** | | 1.5 | |
| MA | 1930 | **23.4** | | 7.1 | | ME | 2110 | **24.1** | | 7.3 | |
| 11 | 0155 | **5.0** | | 1.5 | | **26** | 0320 | **4.4** | | 1.3 | |
| | 0805 | **23.2** | | 7.1 | | | 0930 | **24.4** | | 7.4 | |
| WE | 1420 | **5.3** | | 1.6 | | TH | 1545 | **4.3** | | 1.3 | |
| ME | 2030 | **24.3** | | 7.4 | | JE | 2155 | **24.3** | | 7.4 | |
| 12 | 0250 | **3.9** | | 1.2 | | **27** | 0405 | **4.3** | | 1.3 | |
| | 0900 | **24.5** | | 7.5 | | | 1010 | **24.8** | | 7.6 | |
| TH | 1515 | **3.9** | | 1.2 | | FR | 1625 | **3.9** | | 1.2 | |
| JE | 2125 | **25.2** | | 7.7 | | VE | 2235 | **24.4** | | 7.4 | |
| 13 | 0340 | **2.8** | | .9 | | **28** | 0445 | **4.3** | | 1.3 | |
| | 0950 | **25.9** | | 7.9 | | | 1050 | **25.1** | | 7.7 | |
| FR | 1605 | **2.5** | | .8 | | SA | 1705 | **3.6** | | 1.1 | |
| VE | 2215 | **26.1** | | 8.0 | | SA | 2310 | **24.3** | | 7.4 | |
| 14 | 0430 | **2.0** | | .6 | | **29** | 0520 | **4.5** | | 1.4 | |
| | 1040 | **27.0** | | 8.2 | | | 1125 | **25.2** | | 7.7 | |
| SA | 1655 | **1.4** | | .4 | | SU | 1740 | **3.6** | | 1.1 | |
| SA | 2305 | **26.8** | | 8.1 | | DI | 2345 | **24.2** | | 7.4 | |
| 15 | 0520 | **1.5** | | .5 | | **30** | 0555 | **4.8** | | 1.5 | |
| | 1125 | **27.6** | | 8.4 | | | 1155 | **25.1** | | 7.7 | |
| SU | 1745 | **.8** | | .2 | | MO | 1815 | **3.6** | | 1.1 | |
| DI | 2355 | **28.7** | | 8.1 | | LU | | | | | |
| | | | | | | **31** | 0020 | **23.9** | | 7.3 | |
| | | | | | | | 0630 | **5.1** | | 1.6 | |
| | | | | | | TU | 1230 | **25.0** | | 7.6 | |
| | | | | | | MA | 1850 | **3.8** | | 1.2 | |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0055 | **23.6** | | 7.2 | | **16** | 0125 | **25.2** | | 7.7 | |
| | 0700 | **5.4** | | 1.6 | | | 0735 | **3.8** | | 1.1 | |
| WE | 1305 | **24.8** | | 7.6 | | TH | 1345 | **26.4** | | 8.0 | |
| ME | 1925 | **4.0** | | 1.2 | | JE | 2010 | **2.4** | | .7 | |
| 2 | 0130 | **23.3** | | 7.1 | | **17** | 0220 | **24.4** | | 7.4 | |
| | 0740 | **5.8** | | 1.8 | | | 0830 | **4.4** | | 1.3 | |
| TH | 1345 | **24.5** | | 7.5 | | FR | 1440 | **25.5** | | 7.8 | |
| JE | 2005 | **4.4** | | 1.3 | | VE | 2105 | **3.3** | | 1.0 | |
| 3 | 0210 | **23.0** | | 7.0 | | **18** | 0320 | **23.8** | | 7.3 | |
| | 0820 | **6.1** | | 1.9 | | | 0930 | **5.2** | | 1.6 | |
| FR | 1425 | **24.2** | | 7.4 | | SA | 1540 | **24.6** | | 7.5 | |
| VE | 2045 | **4.9** | | 1.5 | | SA | 2205 | **4.1** | | 1.2 | |
| 4 | 0255 | **22.6** | | 6.9 | | **19** | 0420 | **23.3** | | 7.1 | |
| | 0900 | **6.5** | | 2.0 | | | 1030 | **5.7** | | 1.7 | |
| SA | 1510 | **23.8** | | 7.3 | | SU | 1645 | **23.9** | | 7.3 | |
| SA | 2130 | **5.3** | | 1.6 | | DI | 2305 | **4.8** | | 1.5 | |
| 5 | 0340 | **22.3** | | 6.8 | | **20** | 0520 | **23.1** | | 7.0 | |
| | 0950 | **6.8** | | 2.1 | | | 1135 | **6.0** | | 1.8 | |
| SU | 1600 | **23.4** | | 7.1 | | MO | 1745 | **23.4** | | 7.1 | |
| DI | 2225 | **5.6** | | 1.7 | | LU | | | | | |
| 6 | 0435 | **22.2** | | 6.8 | | **21** | 0005 | **5.2** | | 1.6 | |
| | 1045 | **6.9** | | 2.1 | | | 0620 | **23.1** | | 7.0 | |
| MO | 1655 | **23.2** | | 7.1 | | TU | 1235 | **6.0** | | 1.8 | |
| LU | 2320 | **5.7** | | 1.7 | | MA | 1845 | **23.2** | | 7.1 | |
| 7 | 0530 | **22.4** | | 6.8 | | **22** | 0100 | **5.4** | | 1.6 | |
| | 1145 | **6.7** | | 2.0 | | | 0715 | **23.3** | | 7.1 | |
| TU | 1755 | **23.1** | | 7.0 | | WE | 1330 | **5.8** | | 1.8 | |
| MA | | | | | | ME | 1940 | **23.1** | | 7.0 | |
| 8 | 0020 | **5.5** | | 1.7 | | **23** | 0155 | **5.5** | | 1.7 | |
| | 0635 | **23.0** | | 7.0 | | | 0805 | **23.7** | | 7.2 | |
| WE | 1250 | **6.1** | | 1.9 | | TH | 1425 | **5.4** | | 1.6 | |
| ME | 1900 | **23.4** | | 7.1 | | JE | 2035 | **23.2** | | 7.1 | |
| 9 | 0120 | **4.9** | | 1.5 | | **24** | 0245 | **5.4** | | 1.6 | |
| | 0735 | **23.9** | | 7.3 | | | 0855 | **24.1** | | 7.3 | |
| TH | 1350 | **5.0** | | 1.5 | | FR | 1510 | **4.9** | | 1.5 | |
| JE | 2000 | **24.1** | | 7.3 | | VE | 2120 | **23.3** | | 7.1 | |
| 10 | 0220 | **4.1** | | 1.2 | | **25** | 0330 | **5.4** | | 1.6 | |
| | 0830 | **25.1** | | 7.7 | | | 0935 | **24.5** | | 7.5 | |
| FR | 1450 | **3.7** | | 1.1 | | SA | 1555 | **4.5** | | 1.4 | |
| VE | 2055 | **24.8** | | 7.6 | | SA | 2205 | **23.5** | | 7.2 | |
| 11 | 0315 | **3.3** | | 1.0 | | **26** | 0410 | **5.3** | | 1.6 | |
| | 0925 | **26.3** | | 8.0 | | | 1015 | **24.8** | | 7.6 | |
| SA | 1545 | **2.4** | | .7 | | SU | 1635 | **4.1** | | 1.2 | |
| SA | 2150 | **25.5** | | 7.8 | | DI | 2245 | **23.6** | | 7.2 | |
| 12 | 0405 | **2.8** | | .8 | | **27** | 0450 | **5.3** | | 1.6 | |
| | 1015 | **27.2** | | 8.3 | | | 1055 | **25.1** | | 7.7 | |
| SU | 1635 | **1.5** | | .5 | | MO | 1715 | **3.8** | | 1.2 | |
| DI | 2245 | **25.9** | | 7.9 | | LU | 2320 | **23.7** | | 7.2 | |
| 13 | 0455 | **2.4** | | .7 | | **28** | 0525 | **5.3** | | 1.6 | |
| | 1105 | **27.6** | | 8.4 | | | 1130 | **25.2** | | 7.7 | |
| MO | 1730 | **1.0** | | .3 | | TU | 1750 | **3.7** | | 1.1 | |
| LU | 2335 | **26.0** | | 7.9 | | MA | 2355 | **23.7** | | 7.2 | |
| 14 | 0550 | **2.5** | | .8 | | **29** | 0600 | **5.3** | | 1.6 | |
| | 1155 | **27.6** | | 8.4 | | | 1205 | **25.2** | | 7.7 | |
| TU | 1820 | **1.0** | | .3 | | WE | 1825 | **3.7** | | 1.1 | |
| MA | | | | | | ME | | | | | |
| 15 | 0030 | **25.7** | | 7.8 | | **30** | 0035 | **23.6** | | 7.2 | |
| | 0640 | **2.9** | | .9 | | | 0640 | **5.4** | | 1.6 | |
| WE | 1250 | **27.1** | | 8.3 | | TH | 1245 | **25.2** | | 7.7 | |
| ME | 1915 | **1.5** | | .5 | | JE | 1905 | **3.8** | | 1.2 | |

### DECEMBER-DECEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0110 | **23.5** | | 7.2 | | **16** | 0205 | **24.7** | | 7.5 | |
| | 0715 | **5.5** | | 1.7 | | | 0815 | **4.0** | | 1.2 | |
| FR | 1320 | **25.1** | | 7.7 | | SA | 1425 | **25.8** | | 7.9 | |
| VE | 1940 | **3.9** | | 1.2 | | SA | 2045 | **2.9** | | .9 | |
| 2 | 0150 | **23.4** | | 7.1 | | **17** | 0255 | **24.3** | | 7.4 | |
| | 0755 | **5.6** | | 1.7 | | | 0905 | **4.6** | | 1.4 | |
| SA | 1400 | **24.8** | | 7.6 | | SU | 1515 | **25.0** | | 7.6 | |
| SA | 2025 | **4.1** | | 1.2 | | DI | 2135 | **3.7** | | 1.1 | |
| 3 | 0230 | **23.3** | | 7.1 | | **18** | 0350 | **23.9** | | 7.3 | |
| | 0840 | **5.3** | | 1.8 | | | 1000 | **5.1** | | 1.6 | |
| SU | 1445 | **24.5** | | 7.5 | | MO | 1610 | **24.2** | | 7.4 | |
| DI | 2110 | **4.4** | | 1.3 | | LU | 2230 | **4.5** | | 1.4 | |
| 4 | 0315 | **23.2** | | 7.1 | | **19** | 0440 | **23.5** | | 7.2 | |
| | 0930 | **6.0** | | 1.8 | | | 1055 | **5.6** | | 1.7 | |
| MO | 1535 | **24.1** | | 7.3 | | TU | 1705 | **23.4** | | 7.1 | |
| LU | 2200 | **4.7** | | 1.4 | | MA | 2320 | **5.2** | | 1.6 | |
| 5 | 0410 | **23.2** | | 7.1 | | **20** | 0535 | **23.3** | | 7.1 | |
| | 1020 | **6.0** | | 1.8 | | | 1150 | **6.0** | | 1.8 | |
| TU | 1630 | **23.7** | | 7.2 | | WE | 1800 | **22.7** | | 6.9 | |
| MA | 2250 | **4.8** | | 1.5 | | ME | | | | | |
| 6 | 0505 | **23.4** | | 7.1 | | **21** | 0015 | **5.8** | | 1.8 | |
| | 1120 | **5.9** | | 1.8 | | | 0625 | **23.2** | | 7.1 | |
| WE | 1725 | **23.4** | | 7.1 | | TH | 1245 | **6.1** | | 1.9 | |
| ME | 2350 | **4.9** | | 1.5 | | JE | 1855 | **22.3** | | 6.8 | |
| 7 | 0605 | **23.8** | | 7.3 | | **22** | 0105 | **6.3** | | 1.9 | |
| | 1225 | **5.5** | | 1.7 | | | 0720 | **23.2** | | 7.1 | |
| TH | 1830 | **23.3** | | 7.1 | | FR | 1340 | **6.0** | | 1.8 | |
| JE | | | | | | VE | 1950 | **22.1** | | 6.7 | |
| 8 | 0050 | **4.8** | | 1.5 | | **23** | 0200 | **6.4** | | 2.0 | |
| | 0705 | **24.4** | | 7.4 | | | 0810 | **23.5** | | 7.2 | |
| FR | 1325 | **4.7** | | 1.4 | | SA | 1430 | **5.7** | | 1.7 | |
| VE | 1930 | **23.6** | | 7.2 | | SA | 2040 | **22.2** | | 6.8 | |
| 9 | 0150 | **4.5** | | 1.4 | | **24** | 0245 | **6.4** | | 2.0 | |
| | 0805 | **25.2** | | 7.7 | | | 0900 | **23.8** | | 7.3 | |
| SA | 1425 | **3.8** | | 1.2 | | SU | 1520 | **5.2** | | 1.6 | |
| SA | 2035 | **24.0** | | 7.3 | | DI | 2130 | **22.6** | | 6.9 | |
| 10 | 0250 | **4.0** | | 1.2 | | **25** | 0335 | **6.1** | | 1.9 | |
| | 0900 | **25.0** | | 7.9 | | | 0940 | **24.3** | | 7.4 | |
| SU | 1525 | **2.8** | | .9 | | MO | 1605 | **4.6** | | 1.4 | |
| DI | 2135 | **24.5** | | 7.5 | | LU | 2210 | **22.9** | | 7.0 | |
| 11 | 0345 | **3.6** | | 1.1 | | **26** | 0415 | **5.8** | | 1.8 | |
| | 0955 | **25.6** | | 8.1 | | | 1025 | **24.8** | | 7.6 | |
| MO | 1620 | **2.0** | | .6 | | TU | 1645 | **4.1** | | 1.2 | |
| LU | 2230 | **25.0** | | 7.6 | | MA | 2255 | **23.3** | | 7.1 | |
| 12 | 0440 | **3.3** | | 1.0 | | **27** | 0455 | **5.4** | | 1.6 | |
| | 1050 | **27.0** | | 8.2 | | | 1105 | **25.2** | | 7.7 | |
| TU | 1715 | **1.6** | | .5 | | WE | 1725 | **3.7** | | 1.1 | |
| MA | 2325 | **25.2** | | 7.7 | | ME | 2330 | **23.6** | | 7.2 | |
| 13 | 0535 | **3.2** | | 1.0 | | **28** | 0535 | **5.1** | | 1.6 | |
| | 1145 | **27.1** | | 8.3 | | | 1145 | **25.6** | | 7.8 | |
| WE | 1810 | **1.5** | | .5 | | TH | 1800 | **3.3** | | 1.0 | |
| ME | | | | | | JE | | | | | |
| 14 | 0020 | **25.2** | | 7.7 | | **29** | 0010 | **23.8** | | 7.3 | |
| | 0630 | **3.3** | | 1.0 | | | 0615 | **4.8** | | 1.5 | |
| TH | 1240 | **26.9** | | 8.2 | | FR | 1220 | **25.7** | | 7.8 | |
| JE | 1900 | **1.7** | | .5 | | VE | 1840 | **3.1** | | .9 | |
| 15 | 0110 | **25.0** | | 7.6 | | **30** | 0050 | **24.0** | | 7.3 | |
| | 0720 | **3.6** | | 1.1 | | | 0655 | **4.6** | | 1.4 | |
| FR | 1330 | **26.4** | | 8.0 | | SA | 1300 | **26.7** | | 7.8 | |
| VE | 1955 | **2.2** | | .7 | | SA | 1920 | **3.0** | | .9 | |
| | | | | | | **31** | 0130 | **24.2** | | 7.4 | |
| | | | | | | | 0735 | **4.5** | | 1.4 | |
| | | | | | | SU | 1340 | **25.8** | | 7.8 | |
| | | | | | | DI | 2005 | **3.1** | | .9 | |

**Pour calculer l'heure de l'étale aux chutes réversibles:**

**A la fin du flux: ajouter 2 h 25 à la pleine mer à Saint John.**
**A la fin du reflux: ajouter 3 h 50 à la basse mer à Saint John.**

# YARMOUTH (AST -2 +4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0500 | 12.7 | 3.9 | 16 | 0525 | 14.0 | 4.3 |
| | 1115 | 4.2 | 1.3 | | 1145 | 2.8 | .9 |
| SU | 1725 | 11.8 | 3.6 | MO | 1800 | 12.5 | 3.8 |
| DI | 2330 | 4.3 | 1.3 | LU | | | |
| 2 | 0550 | 12.9 | 3.9 | 17 | 0000 | 3.3 | 1.0 |
| | 1210 | 4.0 | 1.2 | | 0625 | 14.0 | 4.3 |
| MO | 1820 | 11.8 | 3.6 | TU | 1250 | 2.8 | .9 |
| LU | | | | MA | 1905 | 12.5 | 3.8 |
| 3 | 0015 | 4.3 | 1.3 | 18 | 0105 | 3.5 | 1.1 |
| | 0635 | 13.2 | 4.0 | | 0730 | 14.2 | 4.3 |
| TU | 1300 | 3.7 | 1.1 | WE | 1355 | 2.6 | .8 |
| MA | 1910 | 11.9 | 3.6 | ME | 2010 | 12.6 | 3.8 |
| 4 | 0105 | 4.3 | 1.3 | 19 | 0205 | 3.5 | 1.1 |
| | 0725 | 13.6 | 4.1 | | 0830 | 14.4 | 4.4 |
| WE | 1350 | 3.3 | 1.0 | TH | 1450 | 2.4 | .7 |
| ME | 2005 | 12.2 | 3.7 | JE | 2110 | 12.8 | 3.9 |
| 5 | 0155 | 4.1 | 1.2 | 20 | 0300 | 3.5 | 1.1 |
| | 0815 | 14.1 | 4.3 | | 0920 | 14.5 | 4.4 |
| TH | 1440 | 2.8 | .9 | FR | 1540 | 2.3 | .7 |
| JE | 2055 | 12.6 | 3.8 | VE | 2155 | 13.0 | 4.0 |
| 6 | 0245 | 3.7 | 1.1 | 21 | 0350 | 3.3 | 1.0 |
| | 0905 | 14.6 | 4.5 | | 1010 | 14.6 | 4.5 |
| FR | 1530 | 2.3 | .7 | SA | 1625 | 2.2 | .7 |
| VE | 2140 | 13.0 | 4.0 | SA | 2240 | 13.1 | 4.0 |
| 7 | 0335 | 3.3 | 1.0 | 22 | 0435 | 3.3 | 1.0 |
| | 0955 | 15.0 | 4.6 | | 1050 | 14.6 | 4.5 |
| SA | 1615 | 1.8 | .5 | SU | 1710 | 2.2 | .7 |
| SA | 2230 | 13.4 | 4.1 | DI | 2320 | 13.1 | 4.0 |
| 8 | 0420 | 2.8 | .9 | 23 | 0515 | 3.2 | 1.0 |
| | 1040 | 15.4 | 4.7 | | 1130 | 14.4 | 4.4 |
| SU | 1700 | 1.4 | .4 | MO | 1750 | 2.3 | .7 |
| DI | 2315 | 13.8 | 4.2 | LU | | | |
| 9 | 0510 | 2.5 | .8 | 24 | 0000 | 13.1 | 4.0 |
| | 1125 | 15.5 | 4.7 | | 0600 | 3.2 | 1.0 |
| MO | 1745 | 1.2 | .4 | TU | 1210 | 14.1 | 4.3 |
| LU | | | | MA | 1825 | 2.5 | .8 |
| 10 | 0000 | 14.1 | 4.3 | 25 | 0040 | 13.1 | 4.0 |
| | 0555 | 2.2 | .7 | | 0640 | 3.2 | 1.0 |
| TU | 1210 | 15.5 | 4.7 | WE | 1250 | 13.7 | 4.2 |
| MA | 1830 | 1.1 | .3 | ME | 1905 | 2.7 | .8 |
| 11 | 0045 | 14.3 | 4.4 | 26 | 0115 | 13.0 | 4.0 |
| | 0645 | 2.1 | .6 | | 0720 | 3.3 | 1.0 |
| WE | 1300 | 15.1 | 4.6 | TH | 1330 | 13.3 | 4.1 |
| ME | 1915 | 1.2 | .4 | JE | 1940 | 3.0 | .9 |
| 12 | 0135 | 14.4 | 4.4 | 27 | 0155 | 12.9 | 3.9 |
| | 0740 | 2.1 | .6 | | 0805 | 3.5 | 1.1 |
| TH | 1355 | 14.6 | 4.5 | FR | 1410 | 12.8 | 3.9 |
| JE | 2005 | 1.6 | .5 | VE | 2020 | 3.4 | 1.0 |
| 13 | 0230 | 14.3 | 4.4 | 28 | 0235 | 12.8 | 3.9 |
| | 0835 | 2.2 | .7 | | 0845 | 3.7 | 1.1 |
| FR | 1450 | 14.0 | 4.3 | SA | 1455 | 12.3 | 3.7 |
| VE | 2100 | 1.9 | .6 | SA | 2105 | 3.7 | 1.1 |
| 14 | 0325 | 14.2 | 4.3 | 29 | 0320 | 12.8 | 3.9 |
| | 0935 | 2.6 | .8 | | 0935 | 3.9 | 1.2 |
| SA | 1550 | 13.4 | 4.1 | SU | 1545 | 11.9 | 3.6 |
| SA | 2155 | 2.4 | .7 | DI | 2145 | 4.1 | 1.2 |
| 15 | 0420 | 14.1 | 4.3 | 30 | 0405 | 12.8 | 3.9 |
| | 1040 | 2.7 | .8 | | 1025 | 4.0 | 1.2 |
| SU | 1650 | 12.8 | 3.9 | MO | 1635 | 11.8 | 3.5 |
| DI | 2255 | 2.9 | .9 | LU | 2235 | 4.4 | 1.3 |
| | | | | 31 | 0455 | 12.8 | 3.9 |
| | | | | | 1120 | 4.1 | 1.2 |
| | | | | TU | 1730 | 11.5 | 3.5 |
| | | | | MA | 2325 | 4.6 | 1.4 |

### FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0550 | 13.1 | 4.0 | 16 | 0055 | 4.0 | 1.2 |
| | 1220 | 3.9 | 1.2 | | 0720 | 13.6 | 4.1 |
| WE | 1830 | 11.7 | 3.6 | TH | 1345 | 3.1 | .9 |
| ME | | | | JE | 2000 | 12.3 | 3.7 |
| 2 | 0025 | 4.5 | 1.4 | 17 | 0200 | 3.9 | 1.2 |
| | 0650 | 13.5 | 4.1 | | 0815 | 13.9 | 4.2 |
| TH | 1315 | 3.5 | 1.1 | FR | 1440 | 2.8 | .9 |
| JE | 1930 | 12.0 | 3.7 | VE | 2055 | 12.7 | 3.9 |
| 3 | 0125 | 4.1 | 1.2 | 18 | 0250 | 3.6 | 1.1 |
| | 0745 | 14.1 | 4.3 | | 0910 | 14.1 | 4.3 |
| FR | 1410 | 2.8 | .9 | SA | 1525 | 2.6 | .8 |
| VE | 2025 | 12.6 | 3.8 | SA | 2140 | 13.0 | 4.0 |
| 4 | 0220 | 3.8 | 1.1 | 19 | 0340 | 3.4 | 1.0 |
| | 0840 | 14.7 | 4.5 | | 0950 | 14.3 | 4.4 |
| SA | 1500 | 2.1 | .6 | SU | 1605 | 2.5 | .8 |
| SA | 2115 | 13.3 | 4.1 | DI | 2220 | 13.2 | 4.0 |
| 5 | 0310 | 2.8 | .9 | 20 | 0420 | 3.1 | .9 |
| | 0930 | 15.3 | 4.7 | | 1030 | 14.2 | 4.3 |
| SU | 1550 | 1.5 | .5 | MO | 1645 | 2.4 | .7 |
| DI | 2200 | 14.0 | 4.3 | LU | 2255 | 13.3 | 4.1 |
| 6 | 0400 | 2.1 | .6 | 21 | 0455 | 2.9 | .9 |
| | 1020 | 15.7 | 4.8 | | 1110 | 14.1 | 4.3 |
| MO | 1635 | .9 | .3 | TU | 1720 | 2.4 | .7 |
| LU | 2250 | 14.6 | 4.5 | MA | 2330 | 13.3 | 4.1 |
| 7 | 0450 | 1.5 | .5 | 22 | 0535 | 2.8 | .9 |
| | 1105 | 15.8 | 4.8 | | 1145 | 13.9 | 4.2 |
| TU | 1720 | .6 | .2 | WE | 1755 | 2.5 | .8 |
| MA | 2335 | 15.0 | 4.6 | ME | | | |
| 8 | 0535 | 1.1 | .3 | 23 | 0005 | 13.4 | 4.1 |
| | 1155 | 15.7 | 4.8 | | 0610 | 2.8 | .9 |
| WE | 1805 | .6 | .2 | TH | 1220 | 13.5 | 4.1 |
| ME | | | | JE | 1830 | 2.7 | .8 |
| 9 | 0020 | 15.1 | 4.6 | 24 | 0040 | 13.3 | 4.1 |
| | 0625 | 1.0 | .3 | | 0645 | 2.8 | .9 |
| TH | 1240 | 15.2 | 4.6 | FR | 1300 | 13.2 | 4.0 |
| JE | 1850 | .8 | .2 | VE | 1905 | 3.0 | .9 |
| 10 | 0110 | 15.1 | 4.6 | 25 | 0115 | 13.3 | 4.1 |
| | 0720 | 1.2 | .4 | | 0725 | 3.0 | .9 |
| FR | 1335 | 14.8 | 4.5 | SA | 1335 | 12.7 | 3.9 |
| VE | 1940 | 1.3 | .4 | SA | 1940 | 3.4 | 1.0 |
| 11 | 0200 | 14.8 | 4.5 | 26 | 0150 | 13.1 | 4.0 |
| | 0815 | 1.6 | .5 | | 0805 | 3.2 | 1.0 |
| SA | 1430 | 13.8 | 4.2 | SU | 1415 | 12.3 | 3.7 |
| SA | 2035 | 1.9 | .6 | DI | 2015 | 3.8 | 1.2 |
| 12 | 0255 | 14.4 | 4.4 | 27 | 0230 | 13.0 | 4.0 |
| | 0915 | 2.1 | .6 | | 0850 | 3.5 | 1.1 |
| SU | 1530 | 13.0 | 4.0 | MO | 1500 | 11.9 | 3.6 |
| DI | 2130 | 2.7 | .8 | LU | 2100 | 4.2 | 1.3 |
| 13 | 0355 | 14.0 | 4.3 | 28 | 0320 | 12.9 | 3.9 |
| | 1015 | 2.7 | .8 | | 0940 | 3.8 | 1.2 |
| MO | 1635 | 12.4 | 3.8 | TU | 1550 | 11.6 | 3.5 |
| LU | 2235 | 3.4 | 1.0 | MA | 2150 | 4.5 | 1.4 |
| 14 | 0500 | 13.6 | 4.1 | | | | |
| | 1125 | 3.1 | .9 | | | | |
| TU | 1745 | 12.0 | 3.7 | | | | |
| MA | 2345 | 3.9 | 1.2 | | | | |
| 15 | 0610 | 13.5 | 4.1 | | | | |
| | 1240 | 3.2 | 1.0 | | | | |
| WE | 1855 | 12.1 | 3.7 | | | | |
| ME | | | | | | | |

### MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0410 | 12.9 | 3.9 | 16 | 0555 | 13.1 | 4.0 |
| | 1040 | 3.9 | 1.2 | | 1220 | 3.5 | 1.1 |
| WE | 1650 | 11.5 | 3.5 | TH | 1840 | 12.0 | 3.7 |
| ME | 2250 | 4.6 | 1.4 | JE | | | |
| 2 | 0510 | 13.0 | 4.0 | 17 | 0040 | 4.3 | 1.3 |
| | 1140 | 3.8 | 1.2 | | 0700 | 13.2 | 4.0 |
| TH | 1755 | 11.7 | 3.6 | FR | 1325 | 3.4 | 1.0 |
| JE | 2350 | 4.5 | 1.4 | VE | 1940 | 12.4 | 3.8 |
| 3 | 0615 | 13.4 | 4.1 | 18 | 0145 | 4.0 | 1.2 |
| | 1245 | 3.4 | 1.0 | | 0800 | 13.5 | 4.1 |
| FR | 1900 | 12.2 | 3.7 | SA | 1415 | 3.1 | .9 |
| VE | | | | SA | 2030 | 12.8 | 3.9 |
| 4 | 0055 | 3.9 | 1.2 | 19 | 0235 | 3.6 | 1.1 |
| | 0720 | 14.1 | 4.3 | | 0850 | 13.7 | 4.2 |
| SA | 1340 | 2.6 | .8 | SU | 1500 | 2.9 | .9 |
| SA | 1955 | 13.0 | 4.0 | DI | 2115 | 13.1 | 4.0 |
| 5 | 0155 | 3.1 | .9 | 20 | 0320 | 3.2 | 1.0 |
| | 0815 | 14.8 | 4.5 | | 0930 | 13.8 | 4.2 |
| SU | 1435 | 1.9 | .6 | MO | 1540 | 2.7 | .8 |
| DI | 2045 | 13.9 | 4.2 | LU | 2150 | 13.3 | 4.1 |
| 6 | 0250 | 2.1 | .6 | 21 | 0355 | 2.9 | .9 |
| | 0905 | 15.4 | 4.7 | | 1010 | 13.8 | 4.2 |
| MO | 1520 | 1.1 | .3 | TU | 1615 | 2.6 | .8 |
| LU | 2135 | 14.7 | 4.5 | MA | 2225 | 13.5 | 4.1 |
| 7 | 0340 | 1.3 | .4 | 22 | 0430 | 2.6 | .8 |
| | 0955 | 15.7 | 4.8 | | 1045 | 13.7 | 4.2 |
| TU | 1605 | .6 | .2 | WE | 1650 | 2.6 | .8 |
| MA | 2220 | 15.3 | 4.7 | ME | 2300 | 13.6 | 4.1 |
| 8 | 0425 | .6 | .2 | 23 | 0505 | 2.5 | .8 |
| | 1045 | 15.8 | 4.8 | | 1120 | 13.5 | 4.1 |
| WE | 1650 | .4 | .1 | TH | 1720 | 2.7 | .8 |
| ME | 2305 | 15.6 | 4.8 | JE | 2330 | 13.6 | 4.1 |
| 9 | 0515 | .3 | .1 | 24 | 0540 | 2.4 | .7 |
| | 1130 | 15.5 | 4.7 | | 1155 | 13.3 | 4.1 |
| TH | 1735 | .5 | .2 | FR | 1755 | 2.9 | .9 |
| JE | 2355 | 15.7 | 4.8 | VE | | | |
| 10 | 0605 | .3 | .1 | 25 | 0005 | 13.6 | 4.1 |
| | 1220 | 15.0 | 4.6 | | 0615 | 2.5 | .8 |
| FR | 1825 | .8 | .2 | SA | 1230 | 13.0 | 4.0 |
| VE | | | | SA | 1825 | 3.2 | 1.0 |
| 11 | 0045 | 15.5 | 4.7 | 26 | 0040 | 13.6 | 4.1 |
| | 0700 | .7 | .2 | | 0655 | 2.6 | .8 |
| SA | 1315 | 14.3 | 4.4 | SU | 1305 | 12.6 | 3.8 |
| SA | 1915 | 1.5 | .5 | DI | 1900 | 3.5 | 1.1 |
| 12 | 0135 | 15.0 | 4.6 | 27 | 0115 | 13.4 | 4.1 |
| | 0755 | 1.3 | .4 | | 0730 | 2.9 | .9 |
| SU | 1410 | 13.5 | 4.1 | MO | 1345 | 12.3 | 3.7 |
| DI | 2010 | 2.3 | .7 | LU | 1940 | 3.9 | 1.2 |
| 13 | 0230 | 14.4 | 4.4 | 28 | 0155 | 13.3 | 4.1 |
| | 0850 | 2.1 | .6 | | 0815 | 3.3 | 1.0 |
| MO | 1510 | 12.7 | 3.9 | TU | 1430 | 12.0 | 3.7 |
| LU | 2110 | 3.1 | .9 | MA | 2025 | 4.3 | 1.3 |
| 14 | 0330 | 13.8 | 4.2 | 29 | 0245 | 13.1 | 4.0 |
| | 0955 | 2.8 | .9 | | 0910 | 3.5 | 1.1 |
| TU | 1615 | 12.1 | 3.7 | WE | 1520 | 11.7 | 3.6 |
| MA | 2215 | 3.9 | 1.2 | ME | 2120 | 4.5 | 1.4 |
| 15 | 0440 | 13.3 | 4.1 | 30 | 0340 | 13.1 | 4.0 |
| | 1105 | 3.3 | 1.0 | | 1005 | 3.7 | 1.1 |
| WE | 1730 | 11.8 | 3.6 | TH | 1620 | 11.7 | 3.6 |
| ME | 2330 | 4.3 | 1.3 | JE | 2220 | 4.5 | 1.4 |
| | | | | 31 | 0440 | 13.1 | 4.0 |
| | | | | | 1110 | 3.5 | 1.1 |
| | | | | FR | 1725 | 12.1 | 3.7 |
| | | | | VE | 2325 | 4.2 | 1.3 |

## TABLE DES MARÉES

# YARMOUTH (HNA)

1989

### APRIL-AVRIL

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0550 | **13.5** | | 4.1 | | 16 | 0120 | **4.0** | | 1.2 | |
| | 1215 | **3.0** | | .9 | | | 0730 | **13.0** | | 4.0 | |
| SA | 1830 | **12.7** | | 3.9 | | SU | 1345 | **3.4** | | 1.0 | |
| SA | | | | | | DI | 2000 | **12.9** | | 3.9 | |
| 2 | 0030 | **3.5** | | 1.1 | | 17 | 0205 | **3.6** | | 1.1 | |
| | 0650 | **14.1** | | 4.3 | | | 0820 | **13.2** | | 4.0 | |
| SU | 1310 | **2.4** | | .7 | | MO | 1425 | **3.2** | | 1.0 | |
| DI | 1925 | **13.8** | | 4.1 | | LU | 2040 | **13.2** | | 4.0 | |
| 3 | 0130 | **2.5** | | .8 | | 18 | 0250 | **3.2** | | 1.0 | |
| | 0750 | **14.7** | | 4.5 | | | 0900 | **13.3** | | 4.1 | |
| MO | 1400 | **1.6** | | .5 | | TU | 1505 | **3.0** | | .9 | |
| LU | 2020 | **14.5** | | 4.4 | | MA | 2120 | **13.5** | | 4.1 | |
| 4 | 0225 | **1.5** | | .5 | | 19 | 0330 | **2.8** | | .9 | |
| | 0840 | **15.1** | | 4.6 | | | 0940 | **13.3** | | 4.1 | |
| TU | 1450 | **1.0** | | .3 | | WE | 1540 | **3.0** | | .9 | |
| MA | 2105 | **15.2** | | 4.6 | | ME | 2150 | **13.7** | | 4.2 | |
| 5 | 0315 | **.7** | | .2 | | 20 | 0405 | **2.5** | | .8 | |
| | 0930 | **15.4** | | 4.7 | | | 1015 | **13.3** | | 4.1 | |
| WE | 1535 | **.7** | | .2 | | TH | 1615 | **3.0** | | .9 | |
| ME | 2155 | **15.8** | | 4.8 | | JE | 2225 | **13.8** | | 4.2 | |
| 6 | 0405 | **.2** | | .1 | | 21 | 0440 | **2.3** | | .7 | |
| | 1020 | **15.3** | | 4.7 | | | 1050 | **13.2** | | 4.0 | |
| TH | 1625 | **.6** | | .2 | | FR | 1650 | **3.1** | | .9 | |
| JE | 2240 | **16.0** | | 4.9 | | VE | 2300 | **13.9** | | 4.2 | |
| 7 | 0455 | **.0** | | .0 | | 22 | 0515 | **2.2** | | .7 | |
| | 1110 | **15.0** | | 4.6 | | | 1130 | **13.0** | | 4.0 | |
| FR | 1710 | **.8** | | .2 | | SA | 1720 | **3.2** | | 1.0 | |
| VE | 2330 | **15.9** | | 4.8 | | SA | 2335 | **13.9** | | 4.2 | |
| 8 | 0545 | **.2** | | .1 | | 23 | 0550 | **2.3** | | .7 | |
| | 1205 | **14.5** | | 4.4 | | | 1205 | **12.8** | | 3.9 | |
| SA | 1800 | **1.3** | | .4 | | SU | 1755 | **3.5** | | 1.1 | |
| SA | | | | | | DI | | | | | |
| 9 | 0020 | **15.6** | | 4.8 | | 24 | 0010 | **13.9** | | 4.2 | |
| | 0640 | **.6** | | .2 | | | 0625 | **2.4** | | .7 | |
| SU | 1255 | **13.8** | | 4.2 | | MO | 1240 | **12.6** | | 3.8 | |
| DI | 1855 | **2.0** | | .6 | | LU | 1835 | **3.7** | | 1.1 | |
| 10 | 0115 | **15.0** | | 4.6 | | 25 | 0050 | **13.8** | | 4.2 | |
| | 0735 | **1.4** | | .4 | | | 0710 | **2.7** | | .8 | |
| MO | 1350 | **13.2** | | 4.0 | | TU | 1325 | **12.3** | | 3.7 | |
| LU | 1950 | **2.8** | | .9 | | MA | 1915 | **3.9** | | 1.2 | |
| 11 | 0210 | **14.3** | | 4.4 | | 26 | 0130 | **13.6** | | 4.1 | |
| | 0830 | **2.2** | | .7 | | | 0755 | **2.9** | | .9 | |
| TU | 1450 | **12.5** | | 3.8 | | WE | 1410 | **12.2** | | 3.7 | |
| MA | 2050 | **3.5** | | 1.1 | | ME | 2005 | **4.1** | | 1.2 | |
| 12 | 0310 | **13.6** | | 4.1 | | 27 | 0220 | **13.5** | | 4.1 | |
| | 0935 | **3.0** | | .9 | | | 0845 | **3.1** | | .9 | |
| WE | 1555 | **12.0** | | 3.7 | | TH | 1500 | **12.1** | | 3.7 | |
| ME | 2155 | **4.1** | | 1.2 | | JE | 2055 | **4.2** | | 1.3 | |
| 13 | 0415 | **13.0** | | 4.0 | | 28 | 0315 | **13.3** | | 4.1 | |
| | 1045 | **3.5** | | 1.1 | | | 0940 | **3.1** | | .9 | |
| TH | 1705 | **11.9** | | 3.6 | | FR | 1600 | **12.3** | | 3.7 | |
| JE | 2310 | **4.4** | | 1.3 | | VE | 2200 | **4.1** | | 1.2 | |
| 14 | 0530 | **12.8** | | 3.9 | | 29 | 0415 | **13.4** | | 4.1 | |
| | 1150 | **3.7** | | 1.1 | | | 1040 | **3.0** | | .9 | |
| FR | 1815 | **12.1** | | 3.7 | | SA | 1700 | **12.7** | | 3.9 | |
| VE | | | | | | SA | 2305 | **3.7** | | 1.1 | |
| 15 | 0020 | **4.3** | | 1.3 | | 30 | 0525 | **13.5** | | 4.1 | |
| | 0635 | **12.8** | | 3.9 | | | 1140 | **2.8** | | .8 | |
| SA | 1255 | **3.6** | | 1.1 | | SU | 1800 | **13.3** | | 4.1 | |
| SA | 1910 | **12.5** | | 3.8 | | DI | | | | | |

### MAY-MAI

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0010 | **3.0** | | .9 | | 16 | 0130 | **3.6** | | 1.1 | |
| | 0625 | **13.9** | | 4.2 | | | 0740 | **12.5** | | 3.8 | |
| MO | 1240 | **2.1** | | .6 | | TU | 1345 | **3.5** | | 1.1 | |
| LU | 1855 | **14.1** | | 4.3 | | MA | 2000 | **13.1** | | 4.0 | |
| 2 | 0105 | **2.1** | | .6 | | 17 | 0215 | **3.2** | | 1.0 | |
| | 0725 | **14.3** | | 4.4 | | | 0825 | **12.8** | | 3.8 | |
| TU | 1330 | **1.7** | | .5 | | WE | 1425 | **3.4** | | 1.0 | |
| MA | 1950 | **14.9** | | 4.5 | | ME | 2040 | **13.4** | | 4.1 | |
| 3 | 0200 | **1.3** | | .4 | | 18 | 0255 | **2.9** | | .9 | |
| | 0815 | **14.5** | | 4.4 | | | 0905 | **12.7** | | 3.9 | |
| WE | 1420 | **1.3** | | .4 | | TH | 1505 | **3.4** | | 1.0 | |
| ME | 2040 | **15.4** | | 4.7 | | JE | 2115 | **13.7** | | 4.2 | |
| 4 | 0255 | **.6** | | .2 | | 19 | 0335 | **2.6** | | .8 | |
| | 0910 | **14.6** | | 4.5 | | | 0945 | **12.8** | | 3.9 | |
| TH | 1510 | **1.2** | | .4 | | FR | 1540 | **3.4** | | 1.0 | |
| JE | 2130 | **15.8** | | 4.8 | | VE | 2155 | **13.9** | | 4.2 | |
| 5 | 0345 | **.3** | | .1 | | 20 | 0410 | **2.3** | | .7 | |
| | 1000 | **14.6** | | 4.5 | | | 1025 | **12.8** | | 3.9 | |
| FR | 1600 | **1.2** | | .4 | | SA | 1615 | **3.4** | | 1.0 | |
| VE | 2220 | **15.9** | | 4.8 | | SA | 2230 | **14.1** | | 4.3 | |
| 6 | 0435 | **.2** | | .1 | | 21 | 0450 | **2.2** | | .7 | |
| | 1055 | **14.3** | | 4.4 | | | 1105 | **12.8** | | 3.9 | |
| SA | 1650 | **1.5** | | .5 | | SU | 1655 | **3.4** | | 1.0 | |
| SA | 2310 | **15.8** | | 4.8 | | DI | 2305 | **14.2** | | 4.3 | |
| 7 | 0530 | **.4** | | .1 | | 22 | 0525 | **2.2** | | .7 | |
| | 1145 | **13.9** | | 4.2 | | | 1140 | **12.7** | | 3.9 | |
| SU | 1740 | **2.0** | | .6 | | MO | 1730 | **3.5** | | 1.1 | |
| DI | | | | | | LU | 2345 | **14.2** | | 4.3 | |
| 8 | 0000 | **15.4** | | 4.7 | | 23 | 0605 | **2.2** | | .7 | |
| | 0620 | **1.0** | | .3 | | | 1220 | **12.7** | | 3.9 | |
| MO | 1240 | **13.4** | | 4.1 | | TU | 1815 | **3.5** | | 1.1 | |
| LU | 1835 | **2.5** | | .8 | | MA | | | | | |
| 9 | 0055 | **14.8** | | 4.5 | | 24 | 0030 | **14.2** | | 4.3 | |
| | 0715 | **1.6** | | .5 | | | 0650 | **2.3** | | .7 | |
| TU | 1330 | **12.9** | | 3.9 | | WE | 1305 | **12.7** | | 3.9 | |
| MA | 1930 | **3.1** | | .9 | | ME | 1855 | **3.6** | | 1.1 | |
| 10 | 0145 | **14.1** | | 4.3 | | 25 | 0115 | **14.1** | | 4.3 | |
| | 0810 | **2.3** | | .7 | | | 0735 | **2.3** | | .7 | |
| WE | 1430 | **12.5** | | 3.8 | | TH | 1350 | **12.7** | | 3.9 | |
| ME | 2025 | **3.7** | | 1.1 | | JE | 1945 | **3.6** | | 1.1 | |
| 11 | 0245 | **13.4** | | 4.1 | | 26 | 0200 | **13.9** | | 4.2 | |
| | 0910 | **3.0** | | .9 | | | 0825 | **2.4** | | .7 | |
| TH | 1530 | **12.2** | | 3.7 | | FR | 1440 | **12.8** | | 3.9 | |
| JE | 2130 | **4.2** | | 1.3 | | VE | 2040 | **3.6** | | 1.1 | |
| 12 | 0350 | **12.8** | | 3.9 | | 27 | 0255 | **13.7** | | 4.2 | |
| | 1010 | **3.5** | | 1.1 | | | 0915 | **2.4** | | .7 | |
| FR | 1635 | **12.1** | | 3.7 | | SA | 1535 | **13.0** | | 4.0 | |
| VE | 2240 | **4.4** | | 1.3 | | SA | 2140 | **3.4** | | 1.0 | |
| 13 | 0455 | **12.5** | | 3.8 | | 28 | 0355 | **13.5** | | 4.1 | |
| | 1115 | **3.7** | | 1.1 | | | 1015 | **2.4** | | .7 | |
| SA | 1735 | **12.2** | | 3.7 | | SU | 1635 | **13.3** | | 4.1 | |
| SA | 2345 | **4.3** | | 1.3 | | DI | 2240 | **3.1** | | .9 | |
| 14 | 0600 | **12.4** | | 3.8 | | 29 | 0455 | **13.6** | | 4.1 | |
| | 1210 | **3.7** | | 1.1 | | | 1110 | **2.3** | | .7 | |
| SU | 1830 | **12.5** | | 3.8 | | MO | 1735 | **13.8** | | 4.2 | |
| DI | | | | | | LU | 2345 | **2.6** | | .8 | |
| 15 | 0040 | **4.0** | | 1.2 | | 30 | 0600 | **13.5** | | 4.1 | |
| | 0655 | **12.4** | | 3.8 | | | 1205 | **2.1** | | .6 | |
| MO | 1300 | **3.6** | | 1.1 | | TU | 1830 | **14.3** | | 4.4 | |
| LU | 1920 | **12.8** | | 3.9 | | MA | | | | | |
| | | | | | | 31 | 0045 | **2.0** | | .6 | |
| | | | | | | | 0700 | **13.6** | | 4.1 | |
| | | | | | | WE | 1300 | **2.0** | | .6 | |
| | | | | | | ME | 1925 | **14.8** | | 4.5 | |

### JUNE-JUIN

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0140 | **1.4** | | .4 | | 16 | 0220 | **3.1** | | .9 | |
| | 0755 | **13.7** | | 4.2 | | | 0830 | **12.1** | | 3.7 | |
| TH | 1355 | **1.9** | | .6 | | FR | 1425 | **3.8** | | 1.2 | |
| JE | 2020 | **15.2** | | 4.6 | | VE | 2040 | **13.6** | | 4.1 | |
| 2 | 0235 | **1.0** | | .3 | | 17 | 0305 | **2.8** | | .9 | |
| | 0855 | **13.7** | | 4.2 | | | 0915 | **12.3** | | 3.7 | |
| FR | 1450 | **1.9** | | .6 | | SA | 1510 | **3.7** | | 1.1 | |
| VE | 2110 | **15.4** | | 4.7 | | SA | 2120 | **13.9** | | 4.2 | |
| 3 | 0330 | **.8** | | .2 | | 18 | 0345 | **2.5** | | .8 | |
| | 0950 | **13.7** | | 4.2 | | | 1000 | **12.5** | | 3.8 | |
| SA | 1545 | **2.0** | | .6 | | SU | 1550 | **3.5** | | 1.1 | |
| SA | 2205 | **15.5** | | 4.7 | | DI | 2205 | **14.2** | | 4.3 | |
| 4 | 0425 | **.8** | | .2 | | 19 | 0425 | **2.2** | | .7 | |
| | 1040 | **13.6** | | 4.1 | | | 1040 | **12.7** | | 3.9 | |
| SU | 1635 | **2.2** | | .7 | | MO | 1630 | **3.3** | | 1.0 | |
| DI | 2255 | **15.4** | | 4.7 | | LU | 2245 | **14.5** | | 4.4 | |
| 5 | 0515 | **1.0** | | .3 | | 20 | 0505 | **1.9** | | .6 | |
| | 1135 | **13.4** | | 4.1 | | | 1120 | **13.0** | | 4.0 | |
| MO | 1725 | **2.5** | | .8 | | TU | 1710 | **3.1** | | .9 | |
| LU | 2345 | **15.0** | | 4.6 | | MA | 2325 | **14.7** | | 4.5 | |
| 6 | 0605 | **1.4** | | .4 | | 21 | 0545 | **1.7** | | .5 | |
| | 1225 | **13.2** | | 4.0 | | | 1200 | **13.2** | | 4.0 | |
| TU | 1815 | **2.8** | | .9 | | WE | 1755 | **2.9** | | .9 | |
| MA | | | | | | ME | | | | | |
| 7 | 0035 | **14.6** | | 4.5 | | 22 | 0010 | **14.7** | | 4.5 | |
| | 0655 | **1.9** | | .6 | | | 0630 | **1.6** | | .5 | |
| WE | 1310 | **12.9** | | 3.9 | | TH | 1245 | **13.3** | | 4.1 | |
| ME | 1910 | **3.2** | | 1.0 | | JE | 1840 | **2.8** | | .9 | |
| 8 | 0125 | **14.0** | | 4.3 | | 23 | 0055 | **14.6** | | 4.5 | |
| | 0745 | **2.4** | | .7 | | | 0715 | **1.6** | | .5 | |
| TH | 1405 | **12.6** | | 3.8 | | FR | 1330 | **13.5** | | 4.1 | |
| JE | 2005 | **3.6** | | 1.1 | | VE | 1930 | **2.7** | | .8 | |
| 9 | 0220 | **13.3** | | 4.1 | | 24 | 0145 | **14.3** | | 4.4 | |
| | 0840 | **2.9** | | .9 | | | 0800 | **1.6** | | .5 | |
| FR | 1455 | **12.4** | | 3.8 | | SA | 1420 | **13.6** | | 4.1 | |
| VE | 2100 | **3.9** | | 1.2 | | SA | 2020 | **2.6** | | .8 | |
| 10 | 0315 | **12.7** | | 3.9 | | 25 | 0235 | **14.0** | | 4.3 | |
| | 0930 | **3.3** | | 1.0 | | | 0850 | **1.8** | | .5 | |
| SA | 1555 | **12.3** | | 3.7 | | SU | 1510 | **13.7** | | 4.2 | |
| SA | 2200 | **4.1** | | 1.2 | | DI | 2120 | **2.6** | | .8 | |
| 11 | 0410 | **12.3** | | 3.7 | | 26 | 0330 | **13.5** | | 4.1 | |
| | 1025 | **3.6** | | 1.1 | | | 0945 | **2.0** | | .6 | |
| SU | 1650 | **12.3** | | 3.7 | | MO | 1610 | **13.8** | | 4.2 | |
| DI | 2300 | **4.1** | | 1.2 | | LU | 2220 | **2.5** | | .8 | |
| 12 | 0510 | **12.0** | | 3.7 | | 27 | 0430 | **13.2** | | 4.0 | |
| | 1120 | **3.8** | | 1.2 | | | 1040 | **2.2** | | .7 | |
| MO | 1740 | **12.4** | | 3.8 | | TU | 1705 | **14.0** | | 4.3 | |
| LU | 2355 | **4.0** | | 1.2 | | MA | 2320 | **2.4** | | .7 | |
| 13 | 0605 | **11.9** | | 3.6 | | 28 | 0535 | **12.9** | | 3.9 | |
| | 1210 | **3.9** | | 1.2 | | | 1140 | **2.4** | | .7 | |
| TU | 1830 | **12.6** | | 3.8 | | WE | 1805 | **14.2** | | 4.3 | |
| MA | | | | | | ME | | | | | |
| 14 | 0045 | **3.8** | | 1.2 | | 29 | 0025 | **2.2** | | .7 | |
| | 0655 | **11.9** | | 3.6 | | | 0640 | **12.8** | | 3.9 | |
| WE | 1255 | **3.9** | | 1.2 | | TH | 1240 | **2.6** | | .8 | |
| ME | 1915 | **12.8** | | 3.9 | | JE | 1905 | **14.4** | | 4.4 | |
| 15 | 0135 | **3.5** | | 1.1 | | 30 | 0125 | **1.9** | | .6 | |
| | 0745 | **12.0** | | 3.7 | | | 0740 | **12.8** | | 3.9 | |
| TH | 1340 | **3.9** | | 1.2 | | FR | 1340 | **2.7** | | .8 | |
| JE | 2000 | **13.2** | | 4.0 | | VE | 2005 | **14.7** | | 4.5 | |

# YARMOUTH (AST)



1989

## JULY-JUILLET

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0225 | **1.6** | | 5 | | **16** | 0230 | **3.0** | | 9 | |
| | 0845 | **12.9** | | 3 9 | | | 0845 | **12.1** | | 3 7 | |
| SA | 1440 | **2.7** | | 8 | | SU | 1435 | **3.8** | | 1 2 | |
| SA | 2100 | **14.9** | | 4 5 | | DI | 2055 | **14.0** | | 4 3 | |
| 2 | 0325 | **1.5** | | 5 | | **17** | 0315 | **2.5** | | 8 | |
| | 0940 | **13.1** | | 4 0 | | | 0930 | **12.8** | | 3 8 | |
| SU | 1535 | **2.7** | | 8 | | MO | 1520 | **3.4** | | 1 0 | |
| DI | 2155 | **15.0** | | 4 6 | | LU | 2140 | **14.5** | | 4 4 | |
| 3 | 0415 | **1.4** | | 4 | | **18** | 0400 | **2.0** | | 6 | |
| | 1030 | **13.1** | | 4 0 | | | 1010 | **13.0** | | 4 0 | |
| MO | 1625 | **2.7** | | 8 | | TU | 1605 | **2.8** | | 9 | |
| LU | 2245 | **14.9** | | 4 5 | | MA | 2225 | **14.9** | | 4 5 | |
| 4 | 0505 | **1.5** | | 5 | | **19** | 0440 | **1.5** | | 5 | |
| | 1120 | **13.1** | | 4 0 | | | 1055 | **13.5** | | 4 1 | |
| TU | 1715 | **2.7** | | 8 | | WE | 1650 | **2.3** | | 7 | |
| MA | 2330 | **14.7** | | 4 5 | | ME | 2305 | **15.2** | | 4 6 | |
| 5 | 0550 | **1.7** | | 5 | | **20** | 0520 | **1.1** | | 3 | |
| | 1205 | **13.0** | | 4 0 | | | 1135 | **13.9** | | 4 2 | |
| WE | 1800 | **2.9** | | 9 | | TH | 1735 | **1.9** | | 6 | |
| ME | | | | | | JE | 2350 | **15.2** | | 4 6 | |
| 6 | 0015 | **14.3** | | 4 4 | | **21** | 0605 | **.9** | | 3 | |
| | 0635 | **2.0** | | 6 | | | 1220 | **14.2** | | 4 3 | |
| TH | 1250 | **12.9** | | 3 9 | | FR | 1820 | **1.7** | | 5 | |
| JE | 1845 | **3.0** | | 9 | | VE | | | | | |
| 7 | 0100 | **13.8** | | 4 2 | | **22** | 0035 | **15.0** | | 4 6 | |
| | 0720 | **2.3** | | 7 | | | 0650 | **.9** | | 3 | |
| FR | 1335 | **12.8** | | 3 9 | | SA | 1305 | **14.4** | | 4 4 | |
| VE | 1935 | **3.3** | | 1 0 | | SA | 1910 | **1.6** | | 5 | |
| 8 | 0150 | **13.3** | | 4 1 | | **23** | 0120 | **14.6** | | 4 5 | |
| | 0805 | **2.7** | | 8 | | | 0735 | **1.0** | | 3 | |
| SA | 1420 | **12.6** | | 3 8 | | SU | 1355 | **14.4** | | 4 4 | |
| SA | 2025 | **3.5** | | 1 1 | | DI | 2000 | **1.7** | | 5 | |
| 9 | 0235 | **12.7** | | 3 9 | | **24** | 0215 | **14.0** | | 4 3 | |
| | 0850 | **3.1** | | 9 | | | 0825 | **1.4** | | 4 | |
| SU | 1505 | **12.5** | | 3 8 | | MO | 1445 | **14.3** | | 4 4 | |
| DI | 2115 | **3.7** | | 1 1 | | LU | 2055 | **1.9** | | 6 | |
| 10 | 0325 | **12.2** | | 3 7 | | **25** | 0310 | **13.4** | | 4 1 | |
| | 0935 | **3.5** | | 1 1 | | | 0915 | **1.9** | | 6 | |
| MO | 1555 | **12.4** | | 3 8 | | TU | 1540 | **14.1** | | 4 3 | |
| LU | 2210 | **3.9** | | 1 2 | | MA | 2155 | **2.2** | | 7 | |
| 11 | 0420 | **11.7** | | 3 6 | | **26** | 0410 | **12.8** | | 3 9 | |
| | 1025 | **3.9** | | 1 2 | | | 1015 | **2.5** | | 8 | |
| TU | 1645 | **12.4** | | 3 8 | | WE | 1640 | **13.9** | | 4 2 | |
| MA | 2300 | **4.0** | | 1 2 | | ME | 2300 | **2.5** | | 8 | |
| 12 | 0510 | **11.5** | | 3 5 | | **27** | 0515 | **12.4** | | 3 8 | |
| | 1115 | **4.2** | | 1 3 | | | 1115 | **3.0** | | 9 | |
| WE | 1735 | **12.5** | | 3 8 | | TH | 1745 | **13.8** | | 4 2 | |
| ME | 2355 | **4.0** | | 1 2 | | JE | | | | | |
| 13 | 0605 | **11.4** | | 3 5 | | **28** | 0010 | **2.6** | | 8 | |
| | 1205 | **4.3** | | 1 3 | | | 0625 | **12.2** | | 3 7 | |
| TH | 1825 | **12.7** | | 3 9 | | FR | 1225 | **3.3** | | 1 0 | |
| JE | | | | | | VE | 1850 | **13.9** | | 4 2 | |
| 14 | 0050 | **3.8** | | 1 2 | | **29** | 0120 | **2.5** | | 8 | |
| | 0700 | **11.5** | | 3 5 | | | 0735 | **12.3** | | 3 7 | |
| FR | 1255 | **4.3** | | 1 3 | | SA | 1330 | **3.4** | | 1 0 | |
| VE | 1915 | **13.0** | | 4 0 | | SA | 1955 | **14.1** | | 4 3 | |
| 15 | 0145 | **3.4** | | 1 0 | | **30** | 0220 | **2.3** | | 7 | |
| | 0755 | **11.7** | | 3 6 | | | 0835 | **12.5** | | 3 8 | |
| SA | 1350 | **4.2** | | 1 3 | | SU | 1435 | **3.2** | | 1 0 | |
| SA | 2005 | **13.5** | | 4 1 | | DI | 2055 | **14.3** | | 4 4 | |
| | | | | | | **31** | 0315 | **2.0** | | 6 | |
| | | | | | | | 0930 | **12.8** | | 3 9 | |
| | | | | | | MO | 1525 | **3.0** | | 9 | |
| | | | | | | LU | 2145 | **14.5** | | 4 4 | |

## AUGUST-AOUT

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0405 | **1.9** | | 6 | | **16** | 0330 | **1.7** | | 5 | |
| | 1020 | **13.0** | | 4 0 | | | 0940 | **13.7** | | 4 2 | |
| TU | 1615 | **2.8** | | 9 | | WE | 1540 | **2.1** | | 6 | |
| MA | 2230 | **14.5** | | 4 4 | | ME | 2200 | **15.3** | | 4 7 | |
| 2 | 0445 | **1.9** | | 6 | | **17** | 0410 | **1.0** | | 3 | |
| | 1100 | **13.1** | | 4 0 | | | 1025 | **14.3** | | 4 4 | |
| WE | 1700 | **2.7** | | 8 | | TH | 1625 | **1.4** | | 4 | |
| ME | 2315 | **14.4** | | 4 4 | | JE | 2240 | **15.5** | | 4 7 | |
| 3 | 0530 | **2.0** | | 6 | | **18** | 0455 | **.6** | | 2 | |
| | 1140 | **13.2** | | 4 0 | | | 1110 | **14.8** | | 4 5 | |
| TH | 1740 | **2.7** | | 8 | | FR | 1710 | **.9** | | 3 | |
| JE | 2355 | **14.1** | | 4 3 | | VE | 2325 | **15.5** | | 4 7 | |
| 4 | 0610 | **2.1** | | 6 | | **19** | 0535 | **.4** | | 1 | |
| | 1220 | **13.1** | | 4 0 | | | 1150 | **15.1** | | 4 6 | |
| FR | 1825 | **2.7** | | 8 | | SA | 1800 | **.7** | | 2 | |
| VE | | | | | | SA | | | | | |
| 5 | 0035 | **13.6** | | 4 1 | | **20** | 0015 | **15.2** | | 4 6 | |
| | 0645 | **2.4** | | 7 | | | 0620 | **.5** | | 2 | |
| SA | 1300 | **13.0** | | 4 0 | | SU | 1240 | **15.2** | | 4 6 | |
| SA | 1905 | **2.8** | | 9 | | DI | 1845 | **.7** | | 2 | |
| 6 | 0115 | **13.1** | | 4 0 | | **21** | 0100 | **14.6** | | 4 5 | |
| | 0725 | **2.7** | | 8 | | | 0705 | **.9** | | 3 | |
| SU | 1340 | **12.9** | | 3 9 | | MO | 1330 | **15.0** | | 4 6 | |
| DI | 1950 | **3.1** | | 9 | | LU | 1940 | **1.1** | | 3 | |
| 7 | 0200 | **12.6** | | 3 8 | | **22** | 0155 | **13.9** | | 4 2 | |
| | 0805 | **3.1** | | 9 | | | 0800 | **1.5** | | 5 | |
| MO | 1420 | **12.7** | | 3 9 | | TU | 1420 | **14.6** | | 4 5 | |
| LU | 2035 | **3.3** | | 1 0 | | MA | 2035 | **1.6** | | 5 | |
| 8 | 0245 | **12.1** | | 3 7 | | **23** | 0250 | **13.1** | | 4 0 | |
| | 0850 | **3.6** | | 1 1 | | | 0855 | **2.3** | | 7 | |
| TU | 1505 | **12.6** | | 3 8 | | WE | 1520 | **14.1** | | 4 3 | |
| MA | 2120 | **3.6** | | 1 1 | | ME | 2135 | **2.2** | | 7 | |
| 9 | 0330 | **11.6** | | 3 5 | | **24** | 0355 | **12.5** | | 3 8 | |
| | 0935 | **4.0** | | 1 2 | | | 0955 | **3.0** | | 9 | |
| WE | 1550 | **12.4** | | 3 8 | | TH | 1620 | **13.7** | | 4 2 | |
| ME | 2210 | **3.9** | | 1 2 | | JE | 2245 | **2.7** | | 8 | |
| 10 | 0420 | **11.3** | | 3 4 | | **25** | 0500 | **12.0** | | 3 7 | |
| | 1020 | **4.4** | | 1 3 | | | 1100 | **3.6** | | 1 1 | |
| TH | 1640 | **12.4** | | 3 8 | | FR | 1730 | **13.4** | | 4 1 | |
| JE | 2305 | **4.0** | | 1 2 | | VE | | | | | |
| 11 | 0515 | **11.2** | | 3 4 | | **26** | 0000 | **3.0** | | 9 | |
| | 1115 | **4.6** | | 1 4 | | | 0615 | **11.9** | | 3 6 | |
| FR | 1735 | **12.6** | | 3 8 | | SA | 1215 | **3.9** | | 1 2 | |
| VE | | | | | | SA | 1840 | **13.4** | | 4 1 | |
| 12 | 0005 | **4.0** | | 1 2 | | **27** | 0110 | **3.0** | | 9 | |
| | 0615 | **11.3** | | 3 4 | | | 0730 | **12.1** | | 3 7 | |
| SA | 1215 | **4.6** | | 1 4 | | SU | 1325 | **3.8** | | 1 2 | |
| SA | 1835 | **12.9** | | 3 9 | | DI | 1950 | **13.7** | | 4 2 | |
| 13 | 0105 | **3.6** | | 1 1 | | **28** | 0210 | **2.7** | | 8 | |
| | 0715 | **11.6** | | 3 5 | | | 0825 | **12.5** | | 3 8 | |
| SU | 1310 | **4.3** | | 1 3 | | MO | 1425 | **3.4** | | 1 0 | |
| DI | 1935 | **13.5** | | 4 1 | | LU | 2045 | **14.0** | | 4 3 | |
| 14 | 0200 | **3.1** | | 9 | | **29** | 0300 | **2.5** | | 8 | |
| | 0810 | **12.2** | | 3 7 | | | 0915 | **12.9** | | 3 9 | |
| MO | 1405 | **3.6** | | 1 1 | | TU | 1515 | **3.1** | | 9 | |
| LU | 2025 | **14.1** | | 4 3 | | MA | 2130 | **14.1** | | 4 3 | |
| 15 | 0245 | **2.4** | | 7 | | **30** | 0345 | **2.3** | | 7 | |
| | 0900 | **12.9** | | 3 9 | | | 1000 | **13.2** | | 4 0 | |
| TU | 1455 | **2.9** | | 9 | | WE | 1600 | **2.6** | | 9 | |
| MA | 2115 | **14.8** | | 4 5 | | ME | 2215 | **14.2** | | 4 3 | |
| | | | | | | **31** | 0425 | **2.2** | | 7 | |
| | | | | | | | 1040 | **13.3** | | 4 1 | |
| | | | | | | TH | 1640 | **2.6** | | 8 | |
| | | | | | | JE | 2255 | **14.0** | | 4 3 | |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0505 | **2.2** | | 7 | | **16** | 0425 | **.4** | | 1 | |
| | 1115 | **13.4** | | 4 1 | | | 1040 | **15.6** | | 4 8 | |
| FR | 1720 | **2.5** | | 8 | | SA | 1645 | **.2** | | 1 | |
| VE | 2335 | **13.8** | | 4 2 | | SA | 2305 | **15.4** | | 4 7 | |
| 2 | 0540 | **2.4** | | 7 | | **17** | 0510 | **.4** | | 1 | |
| | 1150 | **13.4** | | 4 1 | | | 1125 | **15.8** | | 4 8 | |
| SA | 1755 | **2.4** | | 7 | | SU | 1735 | **.1** | | 0 | |
| SA | | | | | | DI | 2350 | **15.0** | | 4 6 | |
| 3 | 0010 | **13.4** | | 4 1 | | **18** | 0555 | **.6** | | 2 | |
| | 0615 | **2.6** | | 8 | | | 1215 | **15.7** | | 4 8 | |
| SU | 1225 | **13.3** | | 4 1 | | MO | 1825 | **.3** | | 1 | |
| DI | 1835 | **2.5** | | 8 | | LU | | | | | |
| 4 | 0045 | **13.0** | | 4 0 | | **19** | 0045 | **14.4** | | 4 4 | |
| | 0650 | **2.9** | | 9 | | | 0645 | **1.2** | | 4 | |
| MO | 1300 | **13.2** | | 4 0 | | TU | 1305 | **15.3** | | 4 7 | |
| LU | 1915 | **2.7** | | 8 | | MA | 1920 | **.9** | | 3 | |
| 5 | 0125 | **12.6** | | 3 8 | | **20** | 0135 | **13.7** | | 4 2 | |
| | 0725 | **3.3** | | 1 0 | | | 0735 | **1.9** | | 6 | |
| TU | 1340 | **13.1** | | 4 0 | | WE | 1400 | **14.7** | | 4 5 | |
| MA | 1955 | **3.0** | | 9 | | ME | 2015 | **1.6** | | 5 | |
| 6 | 0205 | **12.1** | | 3 7 | | **21** | 0235 | **13.0** | | 4 0 | |
| | 0805 | **3.8** | | 1 2 | | | 0835 | **2.8** | | 9 | |
| WE | 1420 | **12.9** | | 3 9 | | TH | 1455 | **14.1** | | 4 3 | |
| ME | 2040 | **3.4** | | 1 0 | | JE | 2120 | **2.4** | | 7 | |
| 7 | 0250 | **11.7** | | 3 6 | | **22** | 0340 | **12.3** | | 3 7 | |
| | 0850 | **4.2** | | 1 3 | | | 0940 | **3.6** | | 1 1 | |
| TH | 1505 | **12.7** | | 3 9 | | FR | 1605 | **13.5** | | 4 1 | |
| JE | 2130 | **3.8** | | 1 2 | | VE | 2230 | **3.0** | | 9 | |
| 8 | 0340 | **11.4** | | 3 5 | | **23** | 0450 | **12.0** | | 3 7 | |
| | 0935 | **4.6** | | 1 4 | | | 1050 | **4.1** | | 1 2 | |
| FR | 1555 | **12.6** | | 3 8 | | SA | 1715 | **13.1** | | 4 0 | |
| VE | 2225 | **4.0** | | 1 2 | | SA | 2345 | **3.3** | | 1 0 | |
| 9 | 0435 | **11.3** | | 3 4 | | **24** | 0605 | **12.0** | | 3 7 | |
| | 1035 | **4.8** | | 1 5 | | | 1210 | **4.2** | | 1 3 | |
| SA | 1655 | **12.7** | | 3 9 | | SU | 1830 | **13.1** | | 4 0 | |
| SA | 2325 | **4.0** | | 1 2 | | DI | | | | | |
| 10 | 0535 | **11.5** | | 3 5 | | **25** | 0055 | **3.3** | | 1 0 | |
| | 1135 | **4.6** | | 1 4 | | | 0715 | **12.4** | | 3 8 | |
| SU | 1800 | **13.0** | | 4 0 | | MO | 1315 | **3.9** | | 1 2 | |
| DI | | | | | | LU | 1935 | **13.4** | | 4 1 | |
| 11 | 0025 | **3.6** | | 1 1 | | **26** | 0150 | **3.1** | | 9 | |
| | 0640 | **12.0** | | 3 7 | | | 0810 | **12.8** | | 3 9 | |
| MO | 1240 | **4.1** | | 1 2 | | TU | 1410 | **3.5** | | 1 1 | |
| LU | 1900 | **13.6** | | 4 1 | | MA | 2025 | **13.6** | | 4 1 | |
| 12 | 0120 | **2.9** | | 9 | | **27** | 0240 | **2.9** | | 9 | |
| | 0735 | **12.7** | | 3 9 | | | 0855 | **13.2** | | 4 0 | |
| TU | 1335 | **3.3** | | 1 0 | | WE | 1500 | **3.1** | | 9 | |
| MA | 1955 | **14.3** | | 4 4 | | ME | 2110 | **13.7** | | 4 2 | |
| 13 | 0210 | **2.2** | | 7 | | **28** | 0320 | **2.7** | | 8 | |
| | 0825 | **13.6** | | 4 1 | | | 0935 | **13.4** | | 4 1 | |
| WE | 1425 | **2.3** | | 7 | | TH | 1540 | **2.8** | | 9 | |
| ME | 2045 | **14.9** | | 4 5 | | JE | 2155 | **13.8** | | 4 2 | |
| 14 | 0255 | **1.4** | | 4 | | **29** | 0400 | **2.6** | | 8 | |
| | 0910 | **14.5** | | 4 4 | | | 1010 | **13.6** | | 4 1 | |
| TH | 1515 | **1.4** | | 4 | | FR | 1620 | **2.5** | | 8 | |
| JE | 2130 | **15.4** | | 4 7 | | VE | 2230 | **13.6** | | 4 1 | |
| 15 | 0340 | **.8** | | 2 | | **30** | 0435 | **2.7** | | 8 | |
| | 0955 | **15.2** | | 4 6 | | | 1045 | **13.7** | | 4 2 | |
| FR | 1600 | **.6** | | 2 | | SA | 1655 | **2.4** | | 7 | |
| VE | 2215 | **15.6** | | 4 8 | | SA | 2310 | **13.4** | | 4 1 | |

## TABLE DES MARÉES

# YARMOUTH (HNA Z-4)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0510 | **2.8** | | 9 | | **16** | 0440 | **.8** | | 2 | |
| | 1120 | **13.7** | | 4 | 2 | | 1100 | **16.2** | | 4 | 9 |
| SU | 1730 | **2.3** | | 7 | | MO | 1715 | **.0** | | 0 | |
| DI | 2345 | **13.2** | | 4 | 0 | LU | 2335 | **14.7** | | 4 | 5 |
| 2 | 0540 | **3.0** | | 9 | | **17** | 0530 | **1.2** | | 4 | |
| | 1150 | **13.7** | | 4 | 2 | | 1150 | **15.9** | | 4 | 8 |
| MO | 1805 | **2.4** | | 7 | | TU | 1810 | **.4** | | 1 | |
| LU | | | | | | MA | | | | | |
| 3 | 0020 | **12.9** | | 3 | 9 | **18** | 0025 | **14.1** | | 4 | 3 |
| | 0615 | **3.3** | | 1 | 0 | | 0625 | **1.6** | | 5 | |
| TU | 1225 | **13.6** | | 4 | 1 | WE | 1245 | **15.4** | | 4 | 7 |
| MA | 1845 | **2.6** | | 8 | | ME | 1905 | **1.0** | | 3 | |
| 4 | 0055 | **12.6** | | 3 | 8 | **19** | 0120 | **13.5** | | 4 | 1 |
| | 0650 | **3.7** | | 1 | 1 | | 0720 | **2.5** | | 8 | |
| WE | 1305 | **13.4** | | 4 | 1 | TH | 1340 | **14.8** | | 4 | 5 |
| ME | 1920 | **2.9** | | 9 | | JE | 2000 | **1.8** | | 5 | |
| 5 | 0135 | **12.2** | | 3 | 7 | **20** | 0220 | **12.9** | | 3 | 9 |
| | 0730 | **4.0** | | 1 | 2 | | 0815 | **3.2** | | 1 | 0 |
| TH | 1345 | **13.2** | | 4 | 0 | FR | 1440 | **14.0** | | 4 | 3 |
| JE | 2005 | **3.3** | | 1 | 0 | VE | 2100 | **2.6** | | 8 | |
| 6 | 0220 | **11.9** | | 3 | 6 | **21** | 0320 | **12.4** | | 3 | 8 |
| | 0815 | **4.4** | | 1 | 3 | | 0925 | **3.9** | | 1 | 2 |
| FR | 1430 | **13.1** | | 4 | 0 | SA | 1545 | **13.4** | | 4 | 1 |
| VE | 2055 | **3.6** | | 1 | 1 | SA | 2210 | **3.2** | | 1 | 0 |
| 7 | 0305 | **11.7** | | 3 | 6 | **22** | 0435 | **12.2** | | 3 | 7 |
| | 0905 | **4.6** | | 1 | 4 | | 1035 | **4.3** | | 1 | 3 |
| SA | 1520 | **13.0** | | 4 | 0 | SU | 1655 | **13.0** | | 4 | 0 |
| SA | 2150 | **3.8** | | 1 | 2 | DI | 2320 | **3.5** | | 1 | 1 |
| 8 | 0400 | **11.7** | | 3 | 6 | **23** | 0545 | **12.3** | | 3 | 7 |
| | 1000 | **4.7** | | 1 | 4 | | 1150 | **4.3** | | 1 | 3 |
| SU | 1620 | **13.0** | | 4 | 0 | MO | 1805 | **12.9** | | 3 | 9 |
| DI | 2245 | **3.7** | | 1 | 1 | LU | | | | | |
| 9 | 0505 | **12.0** | | 3 | 7 | **24** | 0025 | **3.5** | | 1 | 1 |
| | 1105 | **4.4** | | 1 | 3 | | 0645 | **12.6** | | 3 | 8 |
| MO | 1725 | **13.3** | | 4 | 1 | TU | 1255 | **4.0** | | 1 | 2 |
| LU | 2345 | **3.3** | | 1 | 0 | MA | 1910 | **13.0** | | 4 | 0 |
| 10 | 0605 | **12.6** | | 3 | 8 | **25** | 0120 | **3.4** | | 1 | 0 |
| | 1205 | **3.7** | | 1 | 1 | | 0740 | **13.0** | | 4 | 0 |
| TU | 1825 | **13.7** | | 4 | 2 | WE | 1350 | **3.6** | | 1 | 1 |
| MA | | | | | | ME | 2000 | **13.2** | | 4 | 0 |
| 11 | 0045 | **2.7** | | 8 | | **26** | 0205 | **3.3** | | 1 | 0 |
| | 0700 | **13.4** | | 4 | 1 | | 0825 | **13.4** | | 4 | 1 |
| WE | 1305 | **2.8** | | 9 | | TH | 1435 | **3.2** | | 1 | 0 |
| ME | 1920 | **14.3** | | 4 | 4 | JE | 2045 | **13.3** | | 4 | 1 |
| 12 | 0135 | **2.0** | | 6 | | **27** | 0250 | **3.2** | | 1 | 0 |
| | 0750 | **14.3** | | 4 | 4 | | 0905 | **13.6** | | 4 | 1 |
| TH | 1355 | **1.8** | | 5 | | FR | 1515 | **2.9** | | 9 | |
| JE | 2015 | **14.8** | | 4 | 5 | VE | 2125 | **13.3** | | 4 | 1 |
| 13 | 0220 | **1.4** | | 4 | | **28** | 0325 | **3.1** | | 9 | |
| | 0835 | **15.2** | | 4 | 6 | | 0940 | **13.8** | | 4 | 2 |
| FR | 1445 | **.9** | | 3 | | SA | 1555 | **2.6** | | 8 | |
| VE | 2105 | **15.1** | | 4 | 6 | SA | 2205 | **13.2** | | 4 | 0 |
| 14 | 0310 | **.9** | | 3 | | **29** | 0405 | **3.2** | | 1 | 0 |
| | 0925 | **15.6** | | 4 | 8 | | 1015 | **13.9** | | 4 | 2 |
| SA | 1535 | **.3** | | 1 | | SU | 1630 | **2.4** | | 7 | |
| SA | 2150 | **15.2** | | 4 | 6 | DI | 2245 | **13.1** | | 4 | 0 |
| 15 | 0355 | **.7** | | 2 | | **30** | 0440 | **3.3** | | 1 | 0 |
| | 1010 | **16.1** | | 4 | 9 | | 1050 | **13.9** | | 4 | 2 |
| SU | 1625 | **.0** | | 0 | | MO | 1705 | **2.4** | | 7 | |
| DI | 2240 | **15.1** | | 4 | 6 | LU | 2320 | **13.0** | | 4 | 0 |
| | | | | | | **31** | 0510 | **3.5** | | 1 | 1 |
| | | | | | | | 1125 | **13.9** | | 4 | 2 |
| | | | | | | TU | 1740 | **2.4** | | 7 | |
| | | | | | | MA | 2355 | **12.8** | | 3 | 9 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0545 | **3.7** | | 1 | 1 | **16** | 0010 | **13.9** | | 4 | 2 |
| | 1200 | **13.9** | | 4 | 2 | | 0605 | **2.3** | | 7 | |
| WE | 1820 | **2.6** | | 8 | | TH | 1225 | **15.4** | | 4 | 7 |
| ME | | | | | | JE | 1850 | **1.4** | | 4 | |
| 2 | 0035 | **12.6** | | 3 | 8 | **17** | 0105 | **13.4** | | 4 | 1 |
| | 0625 | **3.9** | | 1 | 2 | | 0700 | **2.9** | | 9 | |
| TH | 1235 | **13.8** | | 4 | 2 | FR | 1320 | **14.7** | | 4 | 5 |
| JE | 1855 | **2.8** | | 9 | | VE | 1945 | **2.0** | | 6 | |
| 3 | 0110 | **12.5** | | 3 | 8 | **18** | 0200 | **13.0** | | 4 | 0 |
| | 0705 | **4.1** | | 1 | 2 | | 0800 | **3.4** | | 1 | 0 |
| FR | 1320 | **13.7** | | 4 | 2 | SA | 1420 | **14.0** | | 4 | 3 |
| VE | 1940 | **3.0** | | 9 | | SA | 2040 | **2.7** | | 8 | |
| 4 | 0155 | **12.3** | | 3 | 7 | **19** | 0300 | **12.7** | | 3 | 9 |
| | 0750 | **4.3** | | 1 | 3 | | 0905 | **3.9** | | 1 | 2 |
| SA | 1405 | **13.6** | | 4 | 1 | SU | 1520 | **13.3** | | 4 | 1 |
| SA | 2025 | **3.2** | | 1 | 0 | DI | 2145 | **3.2** | | 1 | 0 |
| 5 | 0240 | **12.3** | | 3 | 7 | **20** | 0405 | **12.5** | | 3 | 8 |
| | 0840 | **4.3** | | 1 | 3 | | 1010 | **4.2** | | 1 | 3 |
| SU | 1455 | **13.5** | | 4 | 1 | MO | 1630 | **12.8** | | 3 | 9 |
| DI | 2115 | **3.2** | | 1 | 0 | LU | 2245 | **3.6** | | 1 | 1 |
| 6 | 0335 | **12.5** | | 3 | 8 | **21** | 0510 | **12.6** | | 3 | 8 |
| | 0935 | **4.2** | | 1 | 3 | | 1120 | **4.2** | | 1 | 3 |
| MO | 1550 | **13.4** | | 4 | 1 | TU | 1735 | **12.6** | | 3 | 8 |
| LU | 2210 | **3.1** | | 9 | | MA | 2345 | **3.7** | | 1 | 1 |
| 7 | 0430 | **12.8** | | 3 | 9 | **22** | 0610 | **12.8** | | 3 | 9 |
| | 1035 | **3.8** | | 1 | 2 | | 1220 | **4.1** | | 1 | 2 |
| TU | 1650 | **13.5** | | 4 | 1 | WE | 1830 | **12.5** | | 3 | 8 |
| MA | 2310 | **2.9** | | 9 | | ME | | | | | |
| 8 | 0530 | **13.4** | | 4 | 1 | **23** | 0040 | **3.8** | | 1 | 2 |
| | 1135 | **3.2** | | 1 | 0 | | 0700 | **13.0** | | 4 | 0 |
| WE | 1750 | **13.8** | | 4 | 2 | TH | 1315 | **3.8** | | 1 | 2 |
| ME | | | | | | JE | 1925 | **12.6** | | 3 | 8 |
| 9 | 0005 | **2.4** | | 7 | | **24** | 0125 | **3.7** | | 1 | 1 |
| | 0625 | **14.1** | | 4 | 3 | | 0745 | **13.3** | | 4 | 1 |
| TH | 1235 | **2.4** | | 7 | | FR | 1400 | **3.4** | | 1 | 0 |
| JE | 1850 | **14.1** | | 4 | 3 | VE | 2010 | **12.6** | | 3 | 8 |
| 10 | 0055 | **2.0** | | 6 | | **25** | 0210 | **3.7** | | 1 | 1 |
| | 0715 | **14.8** | | 4 | 5 | | 0825 | **13.6** | | 4 | 1 |
| FR | 1330 | **1.6** | | 5 | | SA | 1445 | **3.1** | | 9 | |
| VE | 1945 | **14.4** | | 4 | 4 | SA | 2055 | **12.7** | | 3 | 9 |
| 11 | 0150 | **1.7** | | 5 | | **26** | 0255 | **3.7** | | 1 | 1 |
| | 0805 | **15.5** | | 4 | 7 | | 0905 | **13.8** | | 4 | 2 |
| SA | 1420 | **.9** | | 3 | | SU | 1525 | **2.9** | | 9 | |
| SA | 2040 | **14.6** | | 4 | 5 | DI | 2140 | **12.8** | | 3 | 9 |
| 12 | 0240 | **1.4** | | 4 | | **27** | 0330 | **3.7** | | 1 | 1 |
| | 0900 | **16.0** | | 4 | 9 | | 0945 | **13.9** | | 4 | 2 |
| SU | 1515 | **.5** | | 2 | | MO | 1605 | **2.7** | | 8 | |
| DI | 2130 | **14.6** | | 4 | 5 | LU | 2215 | **12.8** | | 3 | 9 |
| 13 | 0330 | **1.4** | | 4 | | **28** | 0410 | **3.7** | | 1 | 1 |
| | 0950 | **16.2** | | 4 | 9 | | 1020 | **14.1** | | 4 | 3 |
| MO | 1610 | **.3** | | 1 | | TU | 1640 | **2.5** | | 8 | |
| LU | 2225 | **14.5** | | 4 | 4 | MA | 2255 | **12.8** | | 3 | 9 |
| 14 | 0420 | **1.6** | | 5 | | **29** | 0445 | **3.8** | | 1 | 2 |
| | 1040 | **16.1** | | 4 | 9 | | 1100 | **14.2** | | 4 | 3 |
| TU | 1700 | **.4** | | 1 | | WE | 1720 | **2.5** | | 8 | |
| MA | 2320 | **14.2** | | 4 | 3 | ME | 2335 | **12.8** | | 3 | 9 |
| 15 | 0515 | **1.9** | | 6 | | **30** | 0525 | **3.8** | | 1 | 2 |
| | 1135 | **15.9** | | 4 | 8 | | 1135 | **14.3** | | 4 | 4 |
| WE | 1755 | **.8** | | 2 | | TH | 1755 | **2.5** | | 8 | |
| ME | | | | | | JE | | | | | |

### DECEMBER-DECEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0010 | **12.8** | | 3 | 9 | **16** | 0050 | **13.4** | | 4 | 1 |
| | 0600 | **3.8** | | 1 | 2 | | 0645 | **3.0** | | 9 | |
| FR | 1215 | **14.3** | | 4 | 4 | SA | 1305 | **14.8** | | 4 | 5 |
| VE | 1835 | **2.5** | | 8 | | SA | 1925 | **2.2** | | 7 | |
| 2 | 0050 | **12.9** | | 3 | 9 | **17** | 0140 | **13.2** | | 4 | 0 |
| | 0640 | **3.8** | | 1 | 2 | | 0740 | **3.3** | | 1 | 0 |
| SA | 1255 | **14.3** | | 4 | 4 | SU | 1355 | **13.9** | | 4 | 2 |
| SA | 1915 | **2.5** | | 8 | | DI | 2015 | **2.7** | | 8 | |
| 3 | 0130 | **13.0** | | 4 | 0 | **18** | 0235 | **12.9** | | 3 | 9 |
| | 0725 | **3.7** | | 1 | 1 | | 0840 | **3.7** | | 1 | 1 |
| SU | 1340 | **14.1** | | 4 | 3 | MO | 1450 | **13.2** | | 4 | 0 |
| DI | 2000 | **2.5** | | 8 | | LU | 2110 | **3.2** | | 1 | 0 |
| 4 | 0215 | **13.1** | | 4 | 0 | **19** | 0330 | **12.8** | | 3 | 9 |
| | 0815 | **3.6** | | 1 | 1 | | 0935 | **4.0** | | 1 | 2 |
| MO | 1430 | **14.0** | | 4 | 3 | TU | 1550 | **12.7** | | 3 | 9 |
| LU | 2050 | **2.5** | | 8 | | MA | 2205 | **3.6** | | 1 | 1 |
| 5 | 0305 | **13.3** | | 4 | 1 | **20** | 0425 | **12.7** | | 3 | 9 |
| | 0910 | **3.5** | | 1 | 1 | | 1035 | **4.1** | | 1 | 2 |
| TU | 1520 | **13.8** | | 4 | 2 | WE | 1650 | **12.3** | | 3 | 7 |
| MA | 2140 | **2.5** | | 8 | | ME | 2255 | **3.9** | | 1 | 2 |
| 6 | 0400 | **13.6** | | 4 | 1 | **21** | 0520 | **12.7** | | 3 | 9 |
| | 1005 | **3.2** | | 1 | 0 | | 1135 | **4.1** | | 1 | 2 |
| WE | 1620 | **13.6** | | 4 | 1 | TH | 1745 | **12.0** | | 3 | 7 |
| ME | 2235 | **2.5** | | 8 | | JE | 2350 | **4.1** | | 1 | 2 |
| 7 | 0455 | **14.0** | | 4 | 3 | **22** | 0610 | **12.9** | | 3 | 9 |
| | 1105 | **2.8** | | 9 | | | 1230 | **4.0** | | 1 | 2 |
| TH | 1720 | **13.6** | | 4 | 1 | FR | 1840 | **12.0** | | 3 | 7 |
| JE | 2330 | **2.4** | | 7 | | VE | | | | | |
| 8 | 0550 | **14.4** | | 4 | 4 | **23** | 0040 | **4.2** | | 1 | 3 |
| | 1205 | **2.3** | | 7 | | | 0700 | **13.1** | | 4 | 0 |
| FR | 1820 | **13.6** | | 4 | 1 | SA | 1320 | **3.8** | | 1 | 2 |
| VE | | | | | | SA | 1935 | **12.0** | | 3 | 7 |
| 9 | 0025 | **2.3** | | 7 | | **24** | 0130 | **4.2** | | 1 | 3 |
| | 0645 | **14.9** | | 4 | 5 | | 0750 | **13.3** | | 4 | 1 |
| SA | 1305 | **1.8** | | 5 | | SU | 1410 | **3.5** | | 1 | 1 |
| SA | 1920 | **13.7** | | 4 | 2 | DI | 2020 | **12.2** | | 3 | 7 |
| 10 | 0120 | **2.2** | | 7 | | **25** | 0215 | **4.2** | | 1 | 3 |
| | 0745 | **15.3** | | 4 | 7 | | 0830 | **13.6** | | 4 | 1 |
| SU | 1405 | **1.4** | | 4 | | MO | 1455 | **3.2** | | 1 | 0 |
| DI | 2020 | **13.8** | | 4 | 2 | LU | 2105 | **12.4** | | 3 | 8 |
| 11 | 0215 | **2.2** | | 7 | | **26** | 0300 | **4.1** | | 1 | 2 |
| | 0840 | **15.6** | | 4 | 8 | | 0915 | **13.9** | | 4 | 2 |
| MO | 1500 | **1.1** | | 3 | | TU | 1535 | **2.9** | | 9 | |
| LU | 2115 | **13.8** | | 4 | 2 | MA | 2150 | **12.6** | | 3 | 8 |
| 12 | 0310 | **2.2** | | 7 | | **27** | 0340 | **3.9** | | 1 | 2 |
| | 0935 | **15.6** | | 4 | 8 | | 0955 | **14.3** | | 4 | 4 |
| TU | 1555 | **.9** | | 3 | | WE | 1615 | **2.6** | | 8 | |
| MA | 2215 | **13.9** | | 4 | 2 | ME | 2230 | **12.9** | | 3 | 9 |
| 13 | 0405 | **2.3** | | 7 | | **28** | 0420 | **3.7** | | 1 | 1 |
| | 1030 | **15.8** | | 4 | 8 | | 1035 | **14.5** | | 4 | 4 |
| WE | 1650 | **1.0** | | 3 | | TH | 1655 | **2.3** | | 7 | |
| ME | 2305 | **13.8** | | 4 | 2 | JE | 2310 | **13.1** | | 4 | 0 |
| 14 | 0500 | **2.4** | | 7 | | **29** | 0500 | **3.5** | | 1 | 1 |
| | 1120 | **15.6** | | 4 | 8 | | 1115 | **14.7** | | 4 | 5 |
| TH | 1740 | **1.3** | | 4 | | FR | 1735 | **2.1** | | 6 | |
| JE | | | | | | VE | 2345 | **13.3** | | 4 | 1 |
| 15 | 0000 | **13.6** | | 4 | 1 | **30** | 0540 | **3.2** | | 1 | 0 |
| | 0550 | **2.7** | | 8 | | | 1155 | **14.8** | | 4 | 5 |
| FR | 1210 | **15.2** | | 4 | 6 | SA | 1810 | **1.9** | | 6 | |
| VE | 1830 | **1.7** | | 5 | | SA | | | | | |
| | | | | | | **31** | 0025 | **13.6** | | 4 | 1 |
| | | | | | | | 0620 | **3.0** | | 9 | |
| | | | | | | SU | 1235 | **14.8** | | 4 | 5 |
| | | | | | | DI | 1850 | **1.8** | | 5 | |

# HALIFAX (AST)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0205 | 5.3 | 1.6 | 16 | 0235 | 5.7 | 1.7 |
| | 0855 | 2.0 | .6 | | 0950 | 1.4 | .4 |
| SU | 1445 | 4.5 | 1.4 | MO | 1520 | 4.9 | 1.5 |
| DI | 2045 | 2.3 | .7 | LU | 2200 | 1.8 | .5 |
| 2 | 0300 | 5.3 | 1.6 | 17 | 0345 | 5.7 | 1.7 |
| | 0950 | 1.8 | .5 | | 1055 | 1.2 | .4 |
| MO | 1550 | 4.5 | 1.4 | TU | 1635 | 4.9 | 1.5 |
| LU | 2140 | 2.4 | .7 | MA | 2310 | 1.8 | .5 |
| 3 | 0355 | 5.4 | 1.6 | 18 | 0450 | 5.7 | 1.7 |
| | 1045 | 1.6 | .5 | | 1155 | 1.0 | .3 |
| TU | 1650 | 4.6 | 1.4 | WE | 1745 | 5.1 | 1.6 |
| MA | 2240 | 2.4 | .7 | ME | | | |
| 4 | 0450 | 5.5 | 1.7 | 19 | 0010 | 1.8 | .5 |
| | 1145 | 1.4 | .4 | | 0550 | 5.8 | 1.8 |
| WE | 1745 | 4.8 | 1.5 | TH | 1245 | .8 | .2 |
| ME | 2340 | 2.2 | .7 | JE | 1840 | 5.3 | 1.6 |
| 5 | 0540 | 5.7 | 1.7 | 20 | 0100 | 1.7 | .5 |
| | 1230 | 1.1 | .3 | | 0640 | 5.9 | 1.8 |
| TH | 1830 | 5.0 | 1.5 | FR | 1335 | .6 | .2 |
| JE | | | | VE | 1930 | 5.5 | 1.7 |
| 6 | 0035 | 2.0 | .6 | 21 | 0145 | 1.6 | .5 |
| | 0630 | 5.9 | 1.8 | | 0730 | 6.0 | 1.8 |
| FR | 1320 | .8 | .2 | SA | 1415 | .6 | .2 |
| VE | 1915 | 5.3 | 1.6 | SA | 2010 | 5.6 | 1.7 |
| 7 | 0120 | 1.8 | .5 | 22 | 0225 | 1.6 | .5 |
| | 0715 | 6.2 | 1.9 | | 0815 | 6.1 | 1.9 |
| SA | 1400 | .6 | .2 | SU | 1455 | .6 | .2 |
| SA | 2005 | 5.6 | 1.7 | DI | 2050 | 5.8 | 1.8 |
| 8 | 0205 | 1.6 | .5 | 23 | 0305 | 1.6 | .5 |
| | 0800 | 6.3 | 1.9 | | 0855 | 6.1 | 1.9 |
| SU | 1445 | .4 | .1 | MO | 1530 | .8 | .2 |
| DI | 2050 | 5.8 | 1.8 | LU | 2130 | 5.8 | 1.8 |
| 9 | 0250 | 1.8 | .5 | 24 | 0340 | 1.7 | .5 |
| | 0850 | 6.4 | 2.0 | | 0935 | 6.0 | 1.8 |
| MO | 1530 | .3 | .1 | TU | 1600 | 1.0 | .3 |
| LU | 2135 | 6.0 | 1.8 | MA | 2205 | 5.8 | 1.8 |
| 10 | 0340 | 1.6 | .5 | 25 | 0415 | 1.8 | .5 |
| | 0935 | 6.4 | 2.0 | | 1015 | 5.8 | 1.8 |
| TU | 1615 | .3 | .1 | WE | 1630 | 1.2 | .4 |
| MA | 2220 | 6.2 | 1.9 | ME | 2240 | 5.8 | 1.8 |
| 11 | 0435 | 1.7 | .5 | 26 | 0450 | 1.8 | .5 |
| | 1020 | 6.3 | 1.9 | | 1050 | 5.6 | 1.7 |
| WE | 1705 | .4 | .1 | TH | 1700 | 1.4 | .4 |
| ME | 2305 | 6.3 | 1.9 | JE | 2315 | 5.7 | 1.7 |
| 12 | 0540 | 1.7 | .5 | 27 | 0530 | 1.8 | .5 |
| | 1110 | 6.1 | 1.9 | | 1130 | 5.3 | 1.6 |
| TH | 1800 | .6 | .2 | FR | 1735 | 1.7 | .5 |
| JE | 2355 | 6.2 | 1.9 | VE | 2350 | 5.6 | 1.7 |
| 13 | 0645 | 1.7 | .5 | 28 | 0620 | 1.9 | .6 |
| | 1200 | 5.7 | 1.7 | | 1210 | 5.0 | 1.5 |
| FR | 1855 | .9 | .3 | SA | 1815 | 1.9 | .6 |
| VE | | | | SA | | | |
| 14 | 0040 | 6.1 | 1.9 | 29 | 0025 | 5.4 | 1.6 |
| | 0750 | 1.6 | .5 | | 0710 | 1.9 | .6 |
| SA | 1255 | 5.4 | 1.6 | SU | 1255 | 4.7 | 1.4 |
| SA | 1955 | 1.3 | .4 | DI | 1900 | 2.2 | .7 |
| 15 | 0135 | 5.9 | 1.8 | 30 | 0105 | 5.2 | 1.6 |
| | 0850 | 1.5 | .5 | | 0805 | 1.9 | .6 |
| SU | 1400 | 5.1 | 1.6 | MO | 1345 | 4.5 | 1.4 |
| DI | 2055 | 1.8 | .5 | LU | 1955 | 2.4 | .7 |
| | | | | 31 | 0155 | 5.1 | 1.6 |
| | | | | | 0905 | 1.9 | .6 |
| | | | | TU | 1450 | 4.3 | 1.3 |
| | | | | MA | 2100 | 2.4 | .7 |

### FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0300 | 5.1 | 1.6 | 16 | 0440 | 5.2 | 1.6 |
| | 1010 | 1.8 | .5 | | 1135 | 1.2 | .4 |
| WE | 1600 | 4.4 | 1.3 | TH | 1740 | 4.9 | 1.5 |
| ME | 2210 | 2.4 | .7 | JE | 2355 | 1.9 | .6 |
| 2 | 0410 | 5.2 | 1.6 | 17 | 0545 | 5.4 | 1.6 |
| | 1110 | 1.5 | .5 | | 1230 | 1.0 | .3 |
| TH | 1710 | 4.6 | 1.4 | FR | 1835 | 5.2 | 1.6 |
| JE | 2315 | 2.2 | .7 | VE | | | |
| 3 | 0515 | 5.5 | 1.7 | 18 | 0045 | 1.7 | .5 |
| | 1205 | 1.2 | .4 | | 0635 | 5.7 | 1.7 |
| FR | 1805 | 5.0 | 1.5 | SA | 1315 | .9 | .3 |
| VE | | | | SA | 1915 | 5.4 | 1.6 |
| 4 | 0010 | 1.9 | .6 | 19 | 0130 | 1.6 | .5 |
| | 0610 | 5.9 | 1.8 | | 0720 | 5.8 | 1.8 |
| SA | 1255 | .8 | .2 | SU | 1355 | .8 | .2 |
| SA | 1855 | 5.4 | 1.6 | DI | 1950 | 5.6 | 1.7 |
| 5 | 0100 | 1.6 | .5 | 20 | 0210 | 1.5 | .5 |
| | 0700 | 6.2 | 1.9 | | 0800 | 5.9 | 1.8 |
| SU | 1340 | .4 | .1 | MO | 1430 | .8 | .2 |
| DI | 1945 | 5.8 | 1.8 | LU | 2025 | 5.8 | 1.8 |
| 6 | 0150 | 1.4 | .4 | 21 | 0240 | 1.4 | .4 |
| | 0745 | 6.5 | 2.0 | | 0835 | 5.9 | 1.8 |
| MO | 1425 | .1 | .0 | TU | 1500 | .9 | .3 |
| LU | 2030 | 6.2 | 1.9 | MA | 2100 | 5.9 | 1.8 |
| 7 | 0235 | 1.2 | .4 | 22 | 0310 | 1.4 | .4 |
| | 0835 | 6.6 | 2.0 | | 0915 | 5.9 | 1.8 |
| TU | 1510 | .0 | .0 | WE | 1525 | 1.1 | .3 |
| MA | 2115 | 6.5 | 2.0 | ME | 2130 | 5.9 | 1.8 |
| 8 | 0325 | 1.1 | .3 | 23 | 0340 | 1.3 | .4 |
| | 0920 | 6.6 | 2.0 | | 0950 | 5.7 | 1.7 |
| WE | 1555 | .1 | .0 | TH | 1550 | 1.3 | .4 |
| ME | 2155 | 6.6 | 2.0 | JE | 2205 | 5.9 | 1.8 |
| 9 | 0420 | 1.1 | .3 | 24 | 0410 | 1.3 | .4 |
| | 1005 | 6.4 | 2.0 | | 1025 | 5.5 | 1.7 |
| TH | 1645 | .3 | .1 | FR | 1620 | 1.5 | .5 |
| JE | 2240 | 6.6 | 2.0 | VE | 2235 | 5.7 | 1.7 |
| 10 | 0520 | 1.1 | .3 | 25 | 0445 | 1.4 | .4 |
| | 1055 | 6.1 | 1.9 | | 1100 | 5.3 | 1.6 |
| FR | 1735 | .6 | .2 | SA | 1650 | 1.7 | .5 |
| VE | 2325 | 6.4 | 2.0 | SA | 2305 | 5.6 | 1.7 |
| 11 | 0620 | 1.2 | .4 | 26 | 0530 | 1.5 | .5 |
| | 1145 | 5.8 | 1.8 | | 1135 | 5.0 | 1.5 |
| SA | 1835 | 1.1 | .3 | SU | 1730 | 2.0 | .6 |
| SA | | | | DI | 2340 | 5.4 | 1.6 |
| 12 | 0010 | 6.1 | 1.9 | 27 | 0620 | 1.8 | .5 |
| | 0725 | 1.3 | .4 | | 1210 | 4.8 | 1.5 |
| SU | 1240 | 5.3 | 1.6 | MO | 1815 | 2.2 | .7 |
| DI | 1935 | 1.5 | .5 | LU | | | |
| 13 | 0105 | 5.7 | 1.7 | 28 | 0020 | 6.2 | 1.6 |
| | 0825 | 1.3 | .4 | | 0720 | 1.8 | .5 |
| MO | 1340 | 4.9 | 1.5 | TU | 1255 | 4.5 | 1.4 |
| LU | 2040 | 1.8 | .5 | MA | 1920 | 2.4 | .7 |
| 14 | 0205 | 5.4 | 1.6 | | | | |
| | 0930 | 1.4 | .4 | | | | |
| TU | 1455 | 4.7 | 1.4 | | | | |
| MA | 2150 | 2.0 | .6 | | | | |
| 15 | 0320 | 5.2 | 1.6 | | | | |
| | 1035 | 1.3 | .4 | | | | |
| WE | 1630 | 4.7 | 1.4 | | | | |
| ME | 2255 | 2.0 | .6 | | | | |

### MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0105 | 5.0 | 1.5 | 16 | 0255 | 4.8 | 1.5 |
| | 0825 | 1.8 | .5 | | 1010 | 1.3 | .4 |
| WE | 1355 | 4.4 | 1.3 | TH | 1620 | 4.7 | 1.4 |
| ME | 2030 | 2.6 | .8 | JE | 2240 | 2.0 | .6 |
| 2 | 0210 | 4.9 | 1.5 | 17 | 0425 | 4.9 | 1.5 |
| | 0930 | 1.7 | .5 | | 1110 | 1.3 | .4 |
| TH | 1515 | 4.4 | 1.3 | FR | 1725 | 4.9 | 1.5 |
| JE | 2145 | 2.4 | .7 | VE | 2340 | 1.9 | .6 |
| 3 | 0330 | 5.0 | 1.5 | 18 | 0530 | 5.1 | 1.6 |
| | 1035 | 1.5 | .5 | | 1200 | 1.2 | .4 |
| FR | 1640 | 4.6 | 1.4 | SA | 1815 | 5.2 | 1.6 |
| VE | 2250 | 2.2 | .7 | SA | | | |
| 4 | 0445 | 5.4 | 1.6 | 19 | 0030 | 1.7 | .5 |
| | 1130 | 1.1 | .3 | | 0615 | 5.4 | 1.6 |
| SA | 1745 | 5.1 | 1.6 | SU | 1245 | 1.1 | .3 |
| SA | 2345 | 1.8 | .5 | DI | 1850 | 5.5 | 1.7 |
| 5 | 0545 | 5.7 | 1.7 | 20 | 0110 | 1.5 | .5 |
| | 1225 | .7 | .2 | | 0700 | 5.5 | 1.7 |
| SU | 1835 | 5.6 | 1.7 | MO | 1325 | 1.1 | .3 |
| DI | | | | LU | 1920 | 5.7 | 1.7 |
| 6 | 0040 | 1.5 | .5 | 21 | 0145 | 1.3 | .4 |
| | 0635 | 6.1 | 1.9 | | 0735 | 5.7 | 1.7 |
| MO | 1310 | .3 | .1 | TU | 1355 | 1.1 | .3 |
| LU | 1920 | 6.1 | 1.9 | MA | 1955 | 5.9 | 1.8 |
| 7 | 0130 | 1.1 | .3 | 22 | 0215 | 1.1 | .3 |
| | 0725 | 6.4 | 2.0 | | 0810 | 5.7 | 1.7 |
| TU | 1400 | .1 | .0 | WE | 1425 | 1.2 | .4 |
| MA | 2005 | 6.5 | 2.0 | ME | 2025 | 6.0 | 1.8 |
| 8 | 0220 | .8 | .2 | 23 | 0245 | 1.0 | .3 |
| | 0815 | 6.5 | 2.0 | | 0845 | 5.8 | 1.7 |
| WE | 1445 | .0 | .0 | TH | 1450 | 1.3 | .4 |
| ME | 2045 | 6.8 | 2.1 | JE | 2055 | 5.9 | 1.8 |
| 9 | 0315 | .8 | .2 | 24 | 0315 | .9 | .3 |
| | 0900 | 6.5 | 2.0 | | 0920 | 5.5 | 1.7 |
| TH | 1530 | .1 | .0 | FR | 1515 | 1.5 | .5 |
| JE | 2130 | 6.8 | 2.1 | VE | 2125 | 5.8 | 1.8 |
| 10 | 0405 | .5 | .2 | 25 | 0345 | .9 | .3 |
| | 0950 | 6.4 | 2.0 | | 0955 | 5.4 | 1.6 |
| FR | 1620 | .4 | .1 | SA | 1545 | 1.6 | .5 |
| VE | 2215 | 6.7 | 2.0 | SA | 2155 | 5.7 | 1.7 |
| 11 | 0500 | .8 | .2 | 26 | 0415 | 1.0 | .3 |
| | 1040 | 6.1 | 1.9 | | 1030 | 5.2 | 1.6 |
| SA | 1715 | .8 | .2 | SU | 1620 | 1.8 | .5 |
| SA | 2300 | 6.3 | 1.9 | DI | 2230 | 5.5 | 1.7 |
| 12 | 0600 | .8 | .2 | 27 | 0455 | 1.2 | .4 |
| | 1130 | 5.7 | 1.7 | | 1105 | 5.0 | 1.5 |
| SU | 1815 | 1.3 | .4 | MO | 1655 | 2.0 | .6 |
| DI | 2345 | 5.9 | 1.8 | LU | 2305 | 5.3 | 1.6 |
| 13 | 0700 | 1.0 | .3 | 28 | 0545 | 1.4 | .4 |
| | 1220 | 5.3 | 1.6 | | 1145 | 4.8 | 1.5 |
| MO | 1925 | 1.7 | .5 | TU | 1745 | 2.2 | .7 |
| LU | | | | MA | 2345 | 5.2 | 1.6 |
| 14 | 0035 | 5.8 | 1.7 | 29 | 0650 | 1.8 | .5 |
| | 0805 | 1.2 | .4 | | 1230 | 4.6 | 1.4 |
| TU | 1320 | 4.8 | 1.5 | WE | 1900 | 2.4 | .7 |
| MA | 2030 | 2.0 | .6 | ME | | | |
| 15 | 0140 | 5.1 | 1.6 | 30 | 0035 | 5.0 | 1.5 |
| | 0910 | 1.3 | .4 | | 0755 | 1.8 | .5 |
| WE | 1440 | 4.6 | 1.4 | TH | 1325 | 4.5 | 1.4 |
| ME | 2140 | 2.1 | .6 | JE | 2015 | 2.8 | .8 |
| | | | | 31 | 0135 | 4.9 | 1.5 |
| | | | | | 0900 | 1.8 | .5 |
| | | | | FR | 1445 | 4.5 | 1.4 |
| | | | | VE | 2125 | 2.3 | .7 |

# TABLE DES MARÉES

# HALIFAX (HNA 2-4)

1989

## APRIL-AVRIL

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0250 | **5.0** | | 1 | 5 | **16** | 0455 | **4.8** | | 1 | 5 |
| | 1000 | **1.3** | | | 4 | | 1120 | **1.4** | | | 4 |
| SA | 1610 | **4.9** | | 1 | 5 | SU | 1730 | **5.2** | | 1 | 6 |
| SA | 2225 | **2.1** | | | 6 | DI | | | | | |
| 2 | 0410 | **5.2** | | 1 | 6 | **17** | 0000 | **1.7** | | | 5 |
| | 1055 | **1.0** | | | 3 | | 0545 | **5.0** | | 1 | 5 |
| SU | 1715 | **5.4** | | 1 | 6 | MO | 1205 | **1.5** | | | 5 |
| DI | 2325 | **1.7** | | | 5 | LU | 1810 | **5.5** | | 1 | 7 |
| 3 | 0515 | **5.5** | | 1 | 7 | **18** | 0040 | **1.4** | | | 4 |
| | 1150 | **.7** | | | 2 | | 0630 | **5.2** | | 1 | 6 |
| MO | 1805 | **5.9** | | 1 | 8 | TU | 1245 | **1.5** | | | 5 |
| LU | | | | | | MA | 1840 | **5.7** | | 1 | 7 |
| 4 | 0020 | **1.2** | | | 4 | **19** | 0115 | **1.1** | | | 3 |
| | 0615 | **5.9** | | 1 | 8 | | 0710 | **5.3** | | 1 | 6 |
| TU | 1240 | **.4** | | | 1 | WE | 1320 | **1.5** | | | 5 |
| MA | 1850 | **6.4** | | 2 | 0 | ME | 1915 | **5.8** | | 1 | 8 |
| 5 | 0115 | **.8** | | | 2 | **20** | 0150 | **.9** | | | 3 |
| | 0705 | **6.1** | | 1 | 9 | | 0745 | **5.3** | | 1 | 6 |
| WE | 1330 | **.3** | | | 1 | TH | 1350 | **1.5** | | | 5 |
| ME | 1935 | **6.7** | | 2 | 0 | JE | 1945 | **5.9** | | 1 | 8 |
| 6 | 0205 | **.4** | | | 1 | **21** | 0220 | **.7** | | | 2 |
| | 0755 | **6.3** | | 1 | 9 | | 0820 | **5.3** | | 1 | 6 |
| TH | 1420 | **.3** | | | 1 | FR | 1420 | **1.6** | | | 5 |
| JE | 2020 | **6.9** | | 2 | 1 | VE | 2020 | **5.8** | | 1 | 8 |
| 7 | 0255 | **.2** | | | 1 | **22** | 0250 | **.7** | | | 2 |
| | 0845 | **6.3** | | 1 | 9 | | 0855 | **5.3** | | 1 | 6 |
| FR | 1510 | **.4** | | | 1 | SA | 1450 | **1.6** | | | 5 |
| VE | 2100 | **6.8** | | 2 | 1 | SA | 2050 | **5.7** | | 1 | 7 |
| 8 | 0345 | **.1** | | | 0 | **23** | 0320 | **.7** | | | 2 |
| | 0935 | **6.2** | | 1 | 9 | | 0930 | **5.2** | | 1 | 6 |
| SA | 1600 | **.7** | | | 2 | SU | 1525 | **1.7** | | | 5 |
| SA | 2150 | **6.5** | | 2 | 0 | DI | 2125 | **5.6** | | 1 | 7 |
| 9 | 0440 | **.2** | | | 1 | **24** | 0400 | **.8** | | | 2 |
| | 1025 | **5.9** | | 1 | 8 | | 1010 | **5.1** | | 1 | 6 |
| SU | 1655 | **1.1** | | | 3 | MO | 1600 | **1.9** | | | 6 |
| DI | 2235 | **6.2** | | 1 | 9 | LU | 2205 | **5.5** | | 1 | 7 |
| 10 | 0535 | **.5** | | | 2 | **25** | 0440 | **1.0** | | | 3 |
| | 1115 | **5.6** | | 1 | 7 | | 1045 | **5.0** | | 1 | 5 |
| MO | 1800 | **1.5** | | | 5 | TU | 1640 | **2.0** | | | 6 |
| LU | 2325 | **5.7** | | 1 | 7 | MA | 2245 | **5.3** | | 1 | 6 |
| 11 | 0635 | **.8** | | | 2 | **26** | 0530 | **1.1** | | | 3 |
| | 1205 | **5.2** | | 1 | 6 | | 1125 | **4.9** | | 1 | 5 |
| TU | 1910 | **1.8** | | | 5 | WE | 1735 | **2.2** | | | 7 |
| MA | | | | | | ME | 2325 | **5.2** | | 1 | 6 |
| 12 | 0015 | **5.3** | | 1 | 6 | **27** | 0630 | **1.2** | | | 4 |
| | 0740 | **1.0** | | | 3 | | 1215 | **4.9** | | 1 | 5 |
| WE | 1305 | **4.9** | | 1 | 5 | TH | 1850 | **2.4** | | | 7 |
| ME | 2015 | **2.0** | | | 6 | JE | | | | | |
| 13 | 0115 | **4.9** | | 1 | 5 | **28** | 0010 | **5.1** | | 1 | 6 |
| | 0840 | **1.2** | | | 4 | | 0730 | **1.3** | | | 4 |
| TH | 1420 | **4.7** | | 1 | 4 | FR | 1310 | **4.8** | | 1 | 5 |
| JE | 2115 | **2.1** | | | 6 | VE | 2000 | **2.4** | | | 7 |
| 14 | 0230 | **4.7** | | 1 | 4 | **29** | 0110 | **5.0** | | 1 | 5 |
| | 0935 | **1.3** | | | 4 | | 0830 | **1.2** | | | 4 |
| FR | 1545 | **4.8** | | 1 | 5 | SA | 1420 | **4.9** | | 1 | 5 |
| VE | 2215 | **2.0** | | | 6 | SA | 2105 | **2.2** | | | 7 |
| 15 | 0350 | **4.7** | | 1 | 4 | **30** | 0220 | **5.0** | | 1 | 5 |
| | 1030 | **1.4** | | | 4 | | 0925 | **1.0** | | | 3 |
| SA | 1650 | **5.0** | | 1 | 5 | SU | 1535 | **5.2** | | 1 | 6 |
| SA | 2310 | **1.9** | | | 6 | DI | 2205 | **1.9** | | | 6 |

## MAY-MAI

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0340 | **5.1** | | 1 | 6 | **16** | 0505 | **4.7** | | 1 | 4 |
| | 1020 | **.9** | | | 3 | | 1110 | **1.8** | | | 5 |
| MO | 1640 | **5.6** | | 1 | 7 | TU | 1720 | **5.4** | | 1 | 6 |
| LU | 2305 | **1.5** | | | 5 | MA | | | | | |
| 2 | 0450 | **5.3** | | 1 | 6 | **17** | 0000 | **1.3** | | | 4 |
| | 1115 | **.8** | | | 2 | | 0555 | **4.9** | | 1 | 5 |
| TU | 1730 | **6.1** | | 1 | 9 | WE | 1155 | **1.8** | | | 5 |
| MA | | | | | | ME | 1755 | **5.8** | | 1 | 7 |
| 3 | 0005 | **1.0** | | | 3 | **18** | 0040 | **1.0** | | | 3 |
| | 0550 | **5.6** | | 1 | 7 | | 0635 | **5.0** | | 1 | 5 |
| WE | 1215 | **.7** | | | 2 | TH | 1235 | **1.8** | | | 5 |
| ME | 1820 | **6.5** | | 2 | 0 | JE | 1835 | **5.7** | | 1 | 7 |
| 4 | 0100 | **.5** | | | 2 | **19** | 0115 | **.8** | | | 2 |
| | 0645 | **5.8** | | 1 | 8 | | 0715 | **5.0** | | 1 | 5 |
| TH | 1310 | **.6** | | | 2 | FR | 1315 | **1.8** | | | 5 |
| JE | 1905 | **6.7** | | 2 | 0 | VE | 1910 | **5.7** | | 1 | 7 |
| 5 | 0150 | **.1** | | | 0 | **20** | 0150 | **.7** | | | 2 |
| | 0735 | **6.0** | | 1 | 8 | | 0755 | **5.1** | | 1 | 6 |
| FR | 1405 | **.7** | | | 2 | SA | 1355 | **1.7** | | | 5 |
| VE | 1950 | **6.7** | | 2 | 0 | SA | 1950 | **5.7** | | 1 | 7 |
| 6 | 0240 | **−.1** | | | 0 | **21** | 0225 | **.8** | | | 2 |
| | 0825 | **6.0** | | 1 | 8 | | 0830 | **5.1** | | 1 | 6 |
| SA | 1455 | **.8** | | | 2 | SU | 1430 | **1.7** | | | 5 |
| SA | 2040 | **6.5** | | 2 | 0 | DI | 2025 | **5.6** | | 1 | 7 |
| 7 | 0330 | **−.1** | | | 0 | **22** | 0305 | **.6** | | | 2 |
| | 0920 | **5.9** | | 1 | 8 | | 0910 | **5.1** | | 1 | 6 |
| SU | 1545 | **1.0** | | | 3 | MO | 1505 | **1.7** | | | 5 |
| DI | 2125 | **6.3** | | 1 | 9 | LU | 2105 | **5.6** | | 1 | 7 |
| 8 | 0420 | **.1** | | | 0 | **23** | 0345 | **.7** | | | 2 |
| | 1010 | **5.7** | | 1 | 7 | | 0950 | **5.1** | | 1 | 6 |
| MO | 1640 | **1.3** | | | 4 | TU | 1545 | **1.8** | | | 5 |
| LU | 2215 | **5.9** | | 1 | 8 | MA | 2145 | **5.5** | | 1 | 7 |
| 9 | 0515 | **.4** | | | 1 | **24** | 0425 | **.7** | | | 2 |
| | 1100 | **5.5** | | 1 | 7 | | 1030 | **5.2** | | 1 | 6 |
| TU | 1745 | **1.6** | | | 5 | WE | 1635 | **1.9** | | | 6 |
| MA | 2305 | **5.6** | | 1 | 7 | ME | 2230 | **5.5** | | 1 | 7 |
| 10 | 0615 | **.7** | | | 2 | **25** | 0515 | **.8** | | | 2 |
| | 1150 | **5.3** | | 1 | 6 | | 1115 | **5.2** | | 1 | 6 |
| WE | 1850 | **1.9** | | | 6 | TH | 1735 | **2.1** | | | 6 |
| ME | 2355 | **5.2** | | 1 | 6 | JE | 2310 | **5.4** | | 1 | 6 |
| 11 | 0710 | **.9** | | | 3 | **26** | 0610 | **.9** | | | 3 |
| | 1245 | **5.1** | | 1 | 6 | | 1200 | **5.2** | | 1 | 6 |
| TH | 1950 | **2.0** | | | 6 | FR | 1840 | **2.1** | | | 6 |
| JE | | | | | | VE | | | | | |
| 12 | 0050 | **4.9** | | 1 | 5 | **27** | 0000 | **5.3** | | 1 | 6 |
| | 0805 | **1.2** | | | 4 | | 0710 | **.9** | | | 3 |
| FR | 1345 | **4.9** | | 1 | 5 | SA | 1255 | **5.3** | | 1 | 6 |
| VE | 2045 | **2.0** | | | 6 | SA | 1945 | **2.1** | | | 6 |
| 13 | 0155 | **4.7** | | 1 | 4 | **28** | 0055 | **5.1** | | 1 | 6 |
| | 0850 | **1.4** | | | 4 | | 0800 | **.9** | | | 3 |
| SA | 1445 | **4.9** | | 1 | 5 | SU | 1355 | **5.3** | | 1 | 6 |
| SA | 2135 | **1.9** | | | 6 | DI | 2045 | **1.9** | | | 6 |
| 14 | 0300 | **4.8** | | 1 | 4 | **29** | 0200 | **5.0** | | 1 | 5 |
| | 0940 | **1.5** | | | 5 | | 0855 | **.9** | | | 3 |
| SU | 1545 | **5.0** | | 1 | 5 | MO | 1500 | **5.5** | | 1 | 7 |
| DI | 2225 | **1.8** | | | 5 | LU | 2145 | **1.6** | | | 5 |
| 15 | 0410 | **4.6** | | 1 | 4 | **30** | 0315 | **4.9** | | 1 | 5 |
| | 1020 | **1.7** | | | 5 | | 0950 | **1.0** | | | 3 |
| MO | 1635 | **5.2** | | 1 | 6 | TU | 1600 | **5.5** | | 1 | 8 |
| LU | 2315 | **1.6** | | | 5 | MA | 2245 | **1.2** | | | 4 |
| | | | | | | **31** | 0425 | **5.1** | | 1 | 6 |
| | | | | | | | 1050 | **1.1** | | | 3 |
| | | | | | | WE | 1655 | **6.0** | | 1 | 8 |
| | | | | | | ME | 2345 | **.5** | | | 2 |

## JUNE-JUIN

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0530 | **5.3** | | 1 | 6 | **16** | 0000 | **1.1** | | | 3 |
| | 1155 | **1.1** | | | 3 | | 0600 | **4.7** | | 1 | 4 |
| TH | 1750 | **6.2** | | 1 | 9 | FR | 1155 | **2.0** | | | 6 |
| JE | | | | | | VE | 1755 | **5.4** | | 1 | 6 |
| 2 | 0045 | **.4** | | | 1 | **17** | 0045 | **.9** | | | 3 |
| | 0625 | **5.5** | | 1 | 7 | | 0645 | **4.8** | | 1 | 5 |
| FR | 1255 | **1.0** | | | 3 | SA | 1245 | **1.8** | | | 5 |
| VE | 1840 | **6.3** | | 1 | 9 | SA | 1840 | **5.5** | | 1 | 7 |
| 3 | 0135 | **.1** | | | 0 | **18** | 0125 | **.7** | | | 2 |
| | 0720 | **5.8** | | 1 | 7 | | 0725 | **4.9** | | 1 | 5 |
| SA | 1350 | **1.0** | | | 3 | SU | 1330 | **1.7** | | | 5 |
| SA | 1930 | **6.3** | | 1 | 9 | DI | 1920 | **5.6** | | 1 | 7 |
| 4 | 0225 | **.0** | | | 0 | **19** | 0205 | **.6** | | | 2 |
| | 0815 | **5.7** | | 1 | 7 | | 0810 | **5.0** | | 1 | 5 |
| SU | 1440 | **1.0** | | | 3 | MO | 1410 | **1.6** | | | 5 |
| DI | 2020 | **6.2** | | 1 | 9 | LU | 2005 | **5.6** | | 1 | 7 |
| 5 | 0315 | **.0** | | | 0 | **20** | 0245 | **.5** | | | 2 |
| | 0905 | **5.7** | | 1 | 7 | | 0850 | **5.2** | | 1 | 6 |
| MO | 1530 | **1.2** | | | 4 | TU | 1450 | **1.5** | | | 5 |
| LU | 2110 | **6.0** | | 1 | 8 | MA | 2050 | **5.7** | | 1 | 7 |
| 6 | 0400 | **.1** | | | 0 | **21** | 0325 | **.4** | | | 1 |
| | 0955 | **5.8** | | 1 | 7 | | 0935 | **5.3** | | 1 | 6 |
| TU | 1625 | **1.4** | | | 4 | WE | 1535 | **1.6** | | | 5 |
| MA | 2200 | **5.8** | | 1 | 8 | ME | 2130 | **5.7** | | 1 | 7 |
| 7 | 0450 | **.4** | | | 1 | **22** | 0410 | **.4** | | | 1 |
| | 1045 | **5.5** | | 1 | 7 | | 1015 | **5.5** | | 1 | 7 |
| WE | 1720 | **1.6** | | | 5 | TH | 1625 | **1.7** | | | 5 |
| ME | 2250 | **5.6** | | 1 | 7 | JE | 2215 | **5.7** | | 1 | 7 |
| 8 | 0545 | **.7** | | | 2 | **23** | 0500 | **.5** | | | 2 |
| | 1130 | **5.4** | | 1 | 6 | | 1100 | **5.6** | | 1 | 7 |
| TH | 1820 | **1.8** | | | 5 | FR | 1725 | **1.7** | | | 5 |
| JE | 2335 | **5.3** | | 1 | 6 | VE | 2300 | **5.6** | | 1 | 7 |
| 9 | 0635 | **.9** | | | 3 | **24** | 0550 | **.6** | | | 2 |
| | 1215 | **5.3** | | 1 | 6 | | 1145 | **5.6** | | 1 | 7 |
| FR | 1915 | **1.9** | | | 6 | SA | 1825 | **1.7** | | | 5 |
| VE | | | | | | SA | 2345 | **5.4** | | 1 | 6 |
| 10 | 0025 | **5.0** | | 1 | 5 | **25** | 0645 | **.7** | | | 2 |
| | 0720 | **1.2** | | | 4 | | 1235 | **5.7** | | 1 | 7 |
| SA | 1300 | **5.2** | | 1 | 6 | SU | 1930 | **1.6** | | | 5 |
| SA | 2005 | **1.8** | | | 5 | DI | | | | | |
| 11 | 0115 | **4.8** | | 1 | 5 | **26** | 0040 | **5.2** | | 1 | 6 |
| | 0800 | **1.4** | | | 4 | | 0735 | **.6** | | | 2 |
| SU | 1350 | **5.1** | | 1 | 6 | MO | 1325 | **5.6** | | 1 | 7 |
| DI | 2050 | **1.8** | | | 5 | LU | 2030 | **1.5** | | | 5 |
| 12 | 0215 | **4.8** | | 1 | 4 | **27** | 0140 | **5.0** | | 1 | 5 |
| | 0840 | **1.7** | | | 5 | | 0830 | **1.0** | | | 3 |
| MO | 1440 | **5.1** | | 1 | 6 | TU | 1425 | **5.6** | | 1 | 7 |
| LU | 2135 | **1.6** | | | 5 | MA | 2125 | **1.3** | | | 4 |
| 13 | 0320 | **4.8** | | 1 | 4 | **28** | 0250 | **4.8** | | 1 | 5 |
| | 0925 | **1.9** | | | 6 | | 0930 | **1.2** | | | 4 |
| TU | 1535 | **5.1** | | 1 | 6 | WE | 1525 | **5.7** | | 1 | 7 |
| MA | 2220 | **1.6** | | | 5 | ME | 2230 | **1.0** | | | 3 |
| 14 | 0420 | **4.8** | | 1 | 4 | **29** | 0405 | **4.8** | | 1 | 5 |
| | 1010 | **2.0** | | | 6 | | 1035 | **1.4** | | | 4 |
| WE | 1625 | **5.2** | | 1 | 6 | TH | 1630 | **5.7** | | 1 | 7 |
| ME | 2310 | **1.3** | | | 4 | JE | 2330 | **.7** | | | 2 |
| 15 | 0515 | **4.8** | | 1 | 4 | **30** | 0515 | **5.0** | | 1 | 5 |
| | 1105 | **2.1** | | | 6 | | 1145 | **1.4** | | | 4 |
| TH | 1710 | **5.3** | | 1 | 6 | FR | 1725 | **5.8** | | 1 | 8 |
| JE | | | | | | VE | | | | | |

1989

### JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0030 | .4 | 1 | 16 | 0010 | 1.0 | 3 |
| | 0615 | 5.2 | 1.6 | | 0615 | 4.8 | 1.4 |
| SA | 1245 | 1.3 | 4 | SU | 1215 | 1.9 | 6 |
| SA | 1825 | 5.9 | 1.8 | DI | 1810 | 5.4 | 1.6 |
| 2 | 0120 | .2 | 1 | 17 | 0055 | .7 | 2 |
| | 0710 | 5.3 | 1.6 | | 0700 | 4.9 | 1.5 |
| SU | 1340 | 1.2 | 4 | MO | 1300 | 1.6 | 5 |
| DI | 1915 | 5.9 | 1.8 | LU | 1900 | 5.6 | 1.7 |
| 3 | 0210 | .1 | 0 | 18 | 0140 | .5 | 2 |
| | 0805 | 5.5 | 1.7 | | 0745 | 5.1 | 1.6 |
| MO | 1425 | 1.2 | 4 | TU | 1345 | 1.4 | 4 |
| LU | 2010 | 5.9 | 1.8 | MA | 1945 | 5.8 | 1.8 |
| 4 | 0255 | .1 | 0 | 19 | 0220 | .3 | 1 |
| | 0855 | 5.6 | 1.7 | | 0830 | 5.4 | 1.6 |
| TU | 1515 | 1.3 | 4 | WE | 1430 | 1.3 | 4 |
| MA | 2100 | 5.9 | 1.8 | ME | 2030 | 5.9 | 1.8 |
| 5 | 0340 | .2 | 1 | 20 | 0305 | .2 | 1 |
| | 0940 | 5.6 | 1.7 | | 0915 | 5.7 | 1.7 |
| WE | 1600 | 1.4 | 4 | TH | 1515 | 1.3 | 4 |
| ME | 2145 | 5.7 | 1.7 | JE | 2115 | 5.9 | 1.8 |
| 6 | 0425 | .5 | 2 | 21 | 0350 | .1 | 0 |
| | 1020 | 5.6 | 1.7 | | 0955 | 5.9 | 1.8 |
| TH | 1650 | 1.5 | 5 | FR | 1610 | 1.3 | 4 |
| JE | 2230 | 5.6 | 1.7 | VE | 2200 | 5.9 | 1.8 |
| 7 | 0510 | .7 | 2 | 22 | 0435 | .2 | 1 |
| | 1100 | 5.6 | 1.7 | | 1040 | 6.0 | 1.8 |
| FR | 1740 | 1.6 | 5 | SA | 1705 | 1.3 | 4 |
| VE | 2310 | 5.3 | 1.6 | SA | 2245 | 5.7 | 1.7 |
| 8 | 0550 | 1.0 | 3 | 23 | 0525 | .4 | 1 |
| | 1140 | 5.5 | 1.7 | | 1125 | 6.0 | 1.8 |
| SA | 1825 | 1.6 | 5 | SU | 1810 | 1.3 | 4 |
| SA | 2355 | 5.1 | 1.6 | DI | 2335 | 5.5 | 1.7 |
| 9 | 0630 | 1.3 | 4 | 24 | 0620 | .7 | 2 |
| | 1220 | 5.4 | 1.6 | | 1210 | 5.9 | 1.8 |
| SU | 1910 | 1.6 | 5 | MO | 1910 | 1.2 | 4 |
| DI | | | | LU | | | |
| 10 | 0040 | 4.8 | 1.5 | 25 | 0025 | 5.2 | 1.6 |
| | 0705 | 1.6 | 5 | | 0715 | 1.0 | 3 |
| MO | 1300 | 5.2 | 1.6 | TU | 1255 | 5.8 | 1.8 |
| LU | 1955 | 1.6 | 5 | MA | 2010 | 1.2 | 4 |
| 11 | 0130 | 4.6 | 1.4 | 26 | 0125 | 4.9 | 1.5 |
| | 0745 | 1.8 | 5 | | 0815 | 1.3 | 4 |
| TU | 1345 | 5.1 | 1.6 | WE | 1355 | 5.6 | 1.7 |
| MA | 2040 | 1.5 | 5 | ME | 2110 | 1.1 | 3 |
| 12 | 0225 | 4.4 | 1.3 | 27 | 0235 | 4.7 | 1.4 |
| | 0830 | 2.0 | 6 | | 0920 | 1.5 | 5 |
| WE | 1435 | 5.0 | 1.5 | TH | 1500 | 5.4 | 1.6 |
| ME | 2130 | 1.4 | 4 | JE | 2215 | .9 | 3 |
| 13 | 0330 | 4.3 | 1.3 | 28 | 0350 | 4.6 | 1.4 |
| | 0920 | 2.2 | 7 | | 1030 | 1.6 | 5 |
| TH | 1530 | 5.0 | 1.5 | FR | 1610 | 5.4 | 1.6 |
| JE | 2225 | 1.3 | 4 | VE | 2320 | .8 | 2 |
| 14 | 0430 | 4.3 | 1.3 | 29 | 0510 | 4.7 | 1.4 |
| | 1020 | 2.2 | 7 | | 1135 | 1.6 | 5 |
| FR | 1630 | 5.0 | 1.5 | SA | 1715 | 5.4 | 1.6 |
| VE | 2320 | 1.2 | 4 | SA | | | |
| 15 | 0525 | 4.4 | 1.3 | 30 | 0015 | .6 | 2 |
| | 1120 | 2.1 | 6 | | 0615 | 5.0 | 1.5 |
| SA | 1720 | 5.2 | 1.6 | SU | 1235 | 1.5 | 5 |
| SA | | | | DI | 1815 | 5.6 | 1.7 |
| | | | | 31 | 0110 | .4 | 1 |
| | | | | | 0705 | 5.2 | 1.6 |
| | | | | MO | 1325 | 1.3 | 4 |
| | | | | LU | 1905 | 5.7 | 1.7 |

### AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0155 | .3 | 1 | 16 | 0110 | .4 | 1 |
| | 0755 | 5.5 | 1.7 | | 0720 | 5.4 | 1.6 |
| TU | 1410 | 1.3 | 4 | WE | 1325 | 1.3 | 4 |
| MA | 1955 | 5.8 | 1.8 | ME | 1920 | 5.9 | 1.8 |
| 2 | 0235 | .3 | 1 | 17 | 0155 | .2 | 1 |
| | 0835 | 5.6 | 1.7 | | 0805 | 5.8 | 1.8 |
| WE | 1455 | 1.3 | 4 | TH | 1410 | 1.1 | 3 |
| ME | 2040 | 5.8 | 1.8 | JE | 2005 | 6.1 | 1.9 |
| 3 | 0315 | .4 | 1 | 18 | 0240 | .0 | 0 |
| | 0915 | 5.7 | 1.7 | | 0845 | 6.2 | 1.9 |
| TH | 1535 | 1.3 | 4 | FR | 1500 | 1.0 | 3 |
| JE | 2120 | 5.7 | 1.7 | VE | 2055 | 6.1 | 1.9 |
| 4 | 0350 | .6 | 2 | 19 | 0320 | .0 | 0 |
| | 0950 | 5.8 | 1.8 | | 0930 | 6.4 | 2.0 |
| FR | 1615 | 1.3 | 4 | SA | 1550 | .9 | 3 |
| VE | 2200 | 5.6 | 1.7 | SA | 2140 | 6.0 | 1.8 |
| 5 | 0425 | .9 | 3 | 20 | 0410 | .2 | 1 |
| | 1025 | 5.7 | 1.7 | | 1015 | 6.4 | 2.0 |
| SA | 1655 | 1.4 | 4 | SU | 1650 | .9 | 3 |
| SA | 2240 | 5.3 | 1.6 | DI | 2225 | 5.8 | 1.8 |
| 6 | 0455 | 1.2 | 4 | 21 | 0500 | .5 | 2 |
| | 1100 | 5.6 | 1.7 | | 1055 | 6.3 | 1.9 |
| SU | 1730 | 1.4 | 4 | MO | 1750 | .9 | 3 |
| DI | 2320 | 5.1 | 1.6 | LU | 2315 | 5.5 | 1.7 |
| 7 | 0530 | 1.4 | 4 | 22 | 0600 | .9 | 3 |
| | 1135 | 5.5 | 1.7 | | 1140 | 6.0 | 1.8 |
| MO | 1815 | 1.4 | 4 | TU | 1850 | 1.0 | 3 |
| LU | | | | MA | | | |
| 8 | 0000 | 4.8 | 1.5 | 23 | 0010 | 5.2 | 1.6 |
| | 0605 | 1.7 | 5 | | 0700 | 1.3 | 4 |
| TU | 1210 | 5.3 | 1.6 | WE | 1230 | 5.7 | 1.7 |
| MA | 1900 | 1.4 | 4 | ME | 1955 | 1.0 | 3 |
| 9 | 0045 | 4.6 | 1.4 | 24 | 0110 | 4.8 | 1.5 |
| | 0650 | 2.0 | 6 | | 0810 | 1.6 | 5 |
| WE | 1250 | 5.1 | 1.6 | TH | 1330 | 5.4 | 1.6 |
| ME | 1950 | 1.5 | 5 | JE | 2100 | 1.0 | 3 |
| 10 | 0135 | 4.3 | 1.3 | 25 | 0220 | 4.6 | 1.4 |
| | 0745 | 2.2 | 7 | | 0915 | 1.8 | 5 |
| TH | 1340 | 4.9 | 1.5 | FR | 1440 | 5.1 | 1.6 |
| JE | 2045 | 1.5 | 5 | VE | 2200 | 1.0 | 3 |
| 11 | 0235 | 4.2 | 1.3 | 26 | 0350 | 4.5 | 1.4 |
| | 0840 | 2.3 | 7 | | 1025 | 1.8 | 5 |
| FR | 1440 | 4.8 | 1.5 | SA | 1600 | 5.1 | 1.6 |
| VE | 2145 | 1.5 | 5 | SA | 2305 | .9 | 3 |
| 12 | 0345 | 4.2 | 1.3 | 27 | 0515 | 4.7 | 1.4 |
| | 0945 | 2.2 | 7 | | 1125 | 1.7 | 5 |
| SA | 1545 | 4.9 | 1.5 | SU | 1710 | 5.2 | 1.6 |
| SA | 2245 | 1.3 | 4 | DI | | | |
| 13 | 0450 | 4.3 | 1.3 | 28 | 0000 | .7 | 2 |
| | 1050 | 2.1 | 6 | | 0610 | 5.0 | 1.5 |
| SU | 1650 | 5.1 | 1.6 | MO | 1220 | 1.6 | 5 |
| DI | 2335 | 1.1 | 3 | LU | 1805 | 5.4 | 1.6 |
| 14 | 0550 | 4.6 | 1.4 | 29 | 0050 | .6 | 2 |
| | 1145 | 1.9 | 6 | | 0655 | 5.3 | 1.6 |
| MO | 1745 | 5.4 | 1.6 | TU | 1310 | 1.4 | 4 |
| LU | | | | MA | 1855 | 5.6 | 1.7 |
| 15 | 0025 | .7 | 2 | 30 | 0135 | .5 | 2 |
| | 0635 | 5.0 | 1.5 | | 0735 | 5.6 | 1.7 |
| TU | 1235 | 1.6 | 5 | WE | 1355 | 1.3 | 4 |
| MA | 1835 | 5.7 | 1.7 | ME | 1935 | 5.7 | 1.7 |
| | | | | 31 | 0210 | .6 | 2 |
| | | | | | 0810 | 5.8 | 1.8 |
| | | | | TH | 1430 | 1.2 | 4 |
| | | | | JE | 2015 | 5.7 | 1.7 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0245 | .7 | 2 | 16 | 0210 | .1 | 0 |
| | 0840 | 5.9 | 1.8 | | 0815 | 6.6 | 2.0 |
| FR | 1505 | 1.1 | 3 | SA | 1440 | .6 | 2 |
| VE | 2055 | 5.7 | 1.7 | SA | 2030 | 6.2 | 1.9 |
| 2 | 0315 | .9 | 3 | 17 | 0300 | .2 | 1 |
| | 0915 | 5.9 | 1.8 | | 0900 | 6.7 | 2.0 |
| SA | 1535 | 1.1 | 3 | SU | 1535 | .5 | 2 |
| SA | 2135 | 5.5 | 1.7 | DI | 2120 | 6.1 | 1.9 |
| 3 | 0340 | 1.1 | 3 | 18 | 0345 | .4 | 1 |
| | 0950 | 5.8 | 1.8 | | 0945 | 6.5 | 2.0 |
| SU | 1610 | 1.1 | 3 | MO | 1630 | .5 | 2 |
| DI | 2210 | 5.3 | 1.6 | LU | 2210 | 5.9 | 1.8 |
| 4 | 0405 | 1.4 | 4 | 19 | 0440 | .8 | 2 |
| | 1020 | 5.7 | 1.7 | | 1030 | 6.4 | 2.0 |
| MO | 1640 | 1.2 | 4 | TU | 1730 | .6 | 2 |
| LU | 2250 | 5.1 | 1.6 | MA | 2300 | 5.6 | 1.7 |
| 5 | 0440 | 1.6 | 5 | 20 | 0540 | 1.2 | 4 |
| | 1055 | 5.5 | 1.7 | | 1120 | 6.0 | 1.8 |
| TU | 1720 | 1.3 | 4 | WE | 1830 | .8 | 2 |
| MA | 2325 | 4.9 | 1.5 | ME | 2355 | 5.2 | 1.6 |
| 6 | 0515 | 1.9 | 6 | 21 | 0650 | 1.6 | 5 |
| | 1130 | 5.3 | 1.6 | | 1210 | 5.6 | 1.7 |
| WE | 1810 | 1.4 | 4 | TH | 1940 | 1.0 | 3 |
| ME | | | | JE | | | |
| 7 | 0005 | 4.6 | 1.4 | 22 | 0055 | 4.9 | 1.5 |
| | 0600 | 2.1 | 6 | | 0805 | 1.8 | 5 |
| TH | 1210 | 5.1 | 1.6 | FR | 1310 | 5.2 | 1.6 |
| JE | 1905 | 1.5 | 5 | VE | 2040 | 1.0 | 3 |
| 8 | 0050 | 4.4 | 1.3 | 23 | 0210 | 4.6 | 1.4 |
| | 0705 | 2.3 | 7 | | 0910 | 1.9 | 6 |
| FR | 1255 | 4.9 | 1.5 | SA | 1425 | 5.0 | 1.5 |
| VE | 2010 | 1.6 | 5 | SA | 2145 | 1.1 | 3 |
| 9 | 0145 | 4.2 | 1.3 | 24 | 0350 | 4.7 | 1.4 |
| | 0815 | 2.4 | 7 | | 1015 | 1.9 | 6 |
| SA | 1350 | 4.8 | 1.5 | SU | 1550 | 5.0 | 1.5 |
| SA | 2110 | 1.5 | 5 | DI | 2240 | 1.0 | 3 |
| 10 | 0300 | 4.2 | 1.3 | 25 | 0505 | 4.9 | 1.5 |
| | 0920 | 2.3 | 7 | | 1110 | 1.8 | 5 |
| SU | 1500 | 4.9 | 1.5 | MO | 1700 | 5.1 | 1.6 |
| DI | 2210 | 1.4 | 4 | LU | 2335 | 1.0 | 3 |
| 11 | 0415 | 4.4 | 1.3 | 26 | 0550 | 5.3 | 1.6 |
| | 1020 | 2.2 | 7 | | 1205 | 1.6 | 5 |
| MO | 1615 | 5.1 | 1.6 | TU | 1750 | 5.4 | 1.6 |
| LU | 2300 | 1.1 | 3 | MA | | | |
| 12 | 0520 | 4.9 | 1.5 | 27 | 0025 | .9 | 3 |
| | 1115 | 1.9 | 6 | | 0630 | 5.6 | 1.7 |
| TU | 1715 | 5.4 | 1.6 | WE | 1250 | 1.4 | 4 |
| MA | 2350 | .6 | 2 | ME | 1835 | 5.5 | 1.7 |
| 13 | 0610 | 5.4 | 1.6 | 28 | 0105 | .9 | 3 |
| | 1210 | 1.5 | 5 | | 0700 | 5.8 | 1.8 |
| WE | 1805 | 5.6 | 1.8 | TH | 1330 | 1.2 | 4 |
| ME | | | | JE | 1915 | 5.6 | 1.7 |
| 14 | 0040 | .4 | 1 | 29 | 0140 | 1.0 | 3 |
| | 0650 | 5.9 | 1.8 | | 0735 | 5.9 | 1.8 |
| TH | 1300 | 1.2 | 4 | FR | 1405 | 1.1 | 3 |
| JE | 1855 | 6.0 | 1.8 | VE | 1950 | 5.6 | 1.7 |
| 15 | 0125 | .2 | 1 | 30 | 0210 | 1.1 | 3 |
| | 0735 | 6.3 | 1.9 | | 0805 | 6.0 | 1.8 |
| FR | 1350 | .9 | 3 | SA | 1435 | 1.0 | 3 |
| VE | 1945 | 6.2 | 1.9 | SA | 2030 | 5.6 | 1.7 |

V-1

# TABLE DES MARÉES

# HALIFAX (HNA)

1989

## OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0235 | 1.3 | 4 | 16 | 0240 | .5 | 2 |
| | 0835 | 6.0 | 18 | | 0830 | 6.9 | 21 |
| SU | 1505 | .9 | 3 | MO | 1515 | .2 | 1 |
| DI | 2105 | 5.5 | 17 | LU | 2105 | 6.2 | 19 |
| 2 | 0305 | 1.5 | 5 | 17 | 0330 | .8 | 2 |
| | 0910 | 5.9 | 18 | | 0920 | 6.7 | 20 |
| MO | 1530 | .9 | 3 | TU | 1610 | .3 | 1 |
| LU | 2140 | 5.3 | 16 | MA | 2155 | 6.0 | 18 |
| 3 | 0330 | 1.6 | 5 | 18 | 0425 | 1.1 | 3 |
| | 0945 | 5.7 | 17 | | 1010 | 6.4 | 20 |
| TU | 1605 | 1.0 | 3 | WE | 1705 | .5 | 2 |
| MA | 2220 | 5.1 | 16 | ME | 2250 | 5.7 | 17 |
| 4 | 0405 | 1.8 | 5 | 19 | 0530 | 1.5 | 5 |
| | 1020 | 5.5 | 17 | | 1100 | 6.0 | 18 |
| WE | 1645 | 1.2 | 4 | TH | 1810 | .8 | 2 |
| ME | 2255 | 5.0 | 15 | JE | 2345 | 5.4 | 16 |
| 5 | 0440 | 2.0 | 6 | 20 | 0640 | 1.8 | 5 |
| | 1055 | 5.3 | 16 | | 1155 | 5.6 | 17 |
| TH | 1730 | 1.4 | 4 | FR | 1915 | 1.0 | 3 |
| JE | 2335 | 4.8 | 15 | VE | | | |
| 6 | 0530 | 2.3 | 7 | 21 | 0045 | 5.1 | 16 |
| | 1135 | 5.2 | 16 | | 0750 | 2.0 | 6 |
| FR | 1830 | 1.6 | 5 | SA | 1255 | 5.2 | 16 |
| VE | | | | SA | 2020 | 1.1 | 3 |
| 7 | 0015 | 4.6 | 14 | 22 | 0155 | 5.0 | 15 |
| | 0635 | 2.4 | 7 | | 0855 | 2.0 | 6 |
| SA | 1220 | 5.0 | 15 | SU | 1405 | 5.0 | 15 |
| SA | 1935 | 1.6 | 5 | DI | 2115 | 1.2 | 4 |
| 8 | 0110 | 4.5 | 14 | 23 | 0320 | 5.0 | 15 |
| | 0750 | 2.5 | 8 | | 0955 | 2.0 | 6 |
| SU | 1315 | 5.0 | 15 | MO | 1525 | 4.9 | 15 |
| DI | 2035 | 1.6 | 5 | LU | 2210 | 1.3 | 4 |
| 9 | 0220 | 4.6 | 14 | 24 | 0425 | 5.2 | 16 |
| | 0855 | 2.4 | 7 | | 1045 | 1.9 | 6 |
| MO | 1420 | 5.0 | 15 | TU | 1635 | 5.0 | 15 |
| LU | 2130 | 1.4 | 4 | MA | 2300 | 1.4 | 4 |
| 10 | 0340 | 4.8 | 15 | 25 | 0510 | 5.5 | 17 |
| | 0955 | 2.2 | 7 | | 1140 | 1.6 | 5 |
| TU | 1540 | 5.1 | 16 | WE | 1725 | 5.2 | 16 |
| MA | 2225 | 1.1 | 3 | ME | 2345 | 1.4 | 4 |
| 11 | 0445 | 5.3 | 16 | 26 | 0550 | 5.7 | 17 |
| | 1050 | 1.9 | 6 | | 1225 | 1.4 | 4 |
| WE | 1645 | 5.4 | 16 | TH | 1810 | 5.4 | 16 |
| ME | 2315 | .9 | 3 | JE | | | |
| 12 | 0535 | 5.8 | 18 | 27 | 0030 | 1.5 | 5 |
| | 1150 | 1.4 | 4 | | 0620 | 5.9 | 18 |
| TH | 1740 | 5.7 | 17 | FR | 1300 | 1.2 | 4 |
| JE | | | | VE | 1850 | 5.5 | 17 |
| 13 | 0005 | .7 | 2 | 28 | 0105 | 1.6 | 5 |
| | 0620 | 6.3 | 19 | | 0655 | 6.0 | 18 |
| FR | 1245 | 1.0 | 3 | SA | 1335 | 1.0 | 3 |
| VE | 1835 | 6.0 | 18 | SA | 1925 | 5.5 | 17 |
| 14 | 0100 | .5 | 2 | 29 | 0135 | 1.6 | 5 |
| | 0705 | 6.7 | 20 | | 0730 | 6.0 | 18 |
| SA | 1335 | .6 | 2 | SU | 1405 | .8 | 2 |
| SA | 1925 | 6.2 | 19 | DI | 2005 | 5.5 | 17 |
| 15 | 0150 | .4 | 1 | 30 | 0205 | 1.7 | 5 |
| | 0745 | 6.9 | 21 | | 0800 | 6.0 | 18 |
| SU | 1425 | .3 | 1 | MO | 1435 | .8 | 2 |
| DI | 2015 | 6.2 | 19 | LU | 2040 | 5.5 | 17 |
| | | | | 31 | 0235 | 1.8 | 5 |
| | | | | | 0835 | 5.9 | 18 |
| | | | | TU | 1505 | .9 | 3 |
| | | | | MA | 2115 | 5.4 | 16 |

## NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0305 | 1.9 | 6 | 16 | 0410 | 1.4 | 4 |
| | 0910 | 5.7 | 17 | | 0950 | 6.3 | 19 |
| WE | 1540 | 1.0 | 3 | TH | 1650 | .4 | 1 |
| ME | 2155 | 5.3 | 16 | JE | 2235 | 5.8 | 18 |
| 2 | 0340 | 2.0 | 6 | 17 | 0515 | 1.7 | 5 |
| | 0950 | 5.6 | 17 | | 1045 | 6.0 | 18 |
| TH | 1620 | 1.1 | 3 | FR | 1750 | .7 | 2 |
| JE | 2230 | 5.2 | 16 | VE | 2330 | 5.6 | 17 |
| 3 | 0420 | 2.2 | 7 | 18 | 0625 | 1.9 | 6 |
| | 1030 | 5.4 | 16 | | 1135 | 5.6 | 17 |
| FR | 1705 | 1.3 | 4 | SA | 1850 | 1.0 | 3 |
| VE | 2310 | 5.1 | 16 | SA | | | |
| 4 | 0510 | 2.4 | 7 | 19 | 0025 | 5.5 | 17 |
| | 1110 | 5.3 | 16 | | 0730 | 2.1 | 6 |
| SA | 1800 | 1.5 | 5 | SU | 1235 | 5.3 | 16 |
| SA | 2355 | 5.0 | 15 | DI | 1945 | 1.2 | 4 |
| 5 | 0620 | 2.5 | 8 | 20 | 0125 | 5.3 | 16 |
| | 1155 | 5.2 | 16 | | 0830 | 2.1 | 6 |
| SU | 1905 | 1.5 | 5 | MO | 1335 | 5.0 | 15 |
| DI | | | | LU | 2035 | 1.4 | 4 |
| 6 | 0045 | 5.0 | 15 | 21 | 0225 | 5.3 | 16 |
| | 0730 | 2.5 | 8 | | 0920 | 2.0 | 6 |
| MO | 1245 | 5.1 | 16 | TU | 1440 | 4.9 | 15 |
| LU | 2000 | 1.5 | 5 | MA | 2125 | 1.6 | 5 |
| 7 | 0145 | 5.1 | 16 | 22 | 0325 | 5.4 | 16 |
| | 0835 | 2.4 | 7 | | 1010 | 1.9 | 6 |
| TU | 1350 | 5.1 | 16 | WE | 1550 | 4.9 | 15 |
| MA | 2055 | 1.4 | 4 | ME | 2210 | 1.8 | 5 |
| 8 | 0255 | 5.3 | 16 | 23 | 0415 | 5.5 | 17 |
| | 0930 | 2.1 | 6 | | 1100 | 1.7 | 5 |
| WE | 1505 | 5.1 | 16 | TH | 1650 | 5.0 | 15 |
| ME | 2145 | 1.3 | 4 | JE | 2300 | 2.0 | 6 |
| 9 | 0400 | 5.7 | 17 | 24 | 0500 | 5.7 | 17 |
| | 1030 | 1.7 | 5 | | 1145 | 1.4 | 4 |
| TH | 1615 | 5.3 | 16 | FR | 1740 | 5.1 | 16 |
| JE | 2240 | 1.1 | 3 | VE | 2345 | 2.0 | 6 |
| 10 | 0455 | 6.1 | 19 | 25 | 0540 | 5.8 | 18 |
| | 1130 | 1.3 | 4 | | 1225 | 1.2 | 4 |
| FR | 1715 | 5.6 | 17 | SA | 1820 | 5.3 | 16 |
| VE | 2340 | 1.0 | 3 | SA | | | |
| 11 | 0545 | 6.5 | 20 | 26 | 0030 | 2.0 | 6 |
| | 1225 | .8 | 2 | | 0615 | 5.9 | 18 |
| SA | 1815 | 5.9 | 18 | SU | 1305 | 1.0 | 3 |
| SA | | | | DI | 1900 | 5.3 | 16 |
| 12 | 0035 | .9 | 3 | 27 | 0105 | 2.0 | 6 |
| | 0635 | 6.8 | 21 | | 0655 | 5.9 | 18 |
| SU | 1320 | .4 | 1 | MO | 1340 | .9 | 3 |
| DI | 1905 | 6.1 | 19 | LU | 1940 | 5.4 | 16 |
| 13 | 0130 | .9 | 3 | 28 | 0140 | 1.9 | 6 |
| | 0720 | 6.9 | 21 | | 0735 | 5.9 | 18 |
| MO | 1410 | .2 | 1 | TU | 1410 | .8 | 2 |
| LU | 1955 | 6.2 | 19 | MA | 2015 | 5.4 | 16 |
| 14 | 0225 | 1.0 | 3 | 29 | 0215 | 1.9 | 6 |
| | 0810 | 6.8 | 21 | | 0810 | 5.9 | 18 |
| TU | 1500 | .1 | 0 | WE | 1445 | .8 | 2 |
| MA | 2050 | 6.1 | 19 | ME | 2055 | 5.4 | 16 |
| 15 | 0315 | 1.1 | 3 | 30 | 0250 | 1.9 | 6 |
| | 0900 | 6.6 | 20 | | 0850 | 5.8 | 18 |
| WE | 1550 | .2 | 1 | TH | 1520 | .9 | 3 |
| ME | 2145 | 6.0 | 18 | JE | 2135 | 5.4 | 16 |

## DECEMBER-DECEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0325 | 2.0 | 6 | 16 | 0455 | 1.7 | 5 |
| | 0930 | 5.8 | 18 | | 1025 | 6.1 | 19 |
| FR | 1600 | 1.0 | 3 | SA | 1720 | .7 | 2 |
| VE | 2210 | 5.4 | 16 | SA | 2310 | 5.9 | 18 |
| 2 | 0405 | 2.1 | 6 | 17 | 0555 | 1.9 | 6 |
| | 1010 | 5.7 | 17 | | 1115 | 5.8 | 18 |
| SA | 1645 | 1.1 | 3 | SU | 1815 | 1.0 | 3 |
| SA | 2255 | 5.4 | 16 | DI | 2355 | 5.8 | 18 |
| 3 | 0455 | 2.3 | 7 | 18 | 0655 | 2.0 | 6 |
| | 1050 | 5.6 | 17 | | 1205 | 5.5 | 17 |
| SU | 1735 | 1.2 | 4 | MO | 1905 | 1.3 | 4 |
| DI | 2335 | 5.5 | 17 | LU | | | |
| 4 | 0600 | 2.4 | 7 | 19 | 0040 | 5.6 | 17 |
| | 1135 | 5.5 | 17 | | 0750 | 2.0 | 6 |
| MO | 1830 | 1.3 | 4 | TU | 1255 | 5.1 | 16 |
| LU | | | | MA | 1950 | 1.6 | 5 |
| 5 | 0025 | 5.5 | 17 | 20 | 0130 | 5.5 | 17 |
| | 0710 | 2.4 | 7 | | 0835 | 2.0 | 6 |
| TU | 1220 | 5.3 | 16 | WE | 1350 | 4.9 | 15 |
| MA | 1925 | 1.3 | 4 | ME | 2030 | 1.9 | 6 |
| 6 | 0115 | 5.6 | 17 | 21 | 0220 | 5.4 | 16 |
| | 0810 | 2.2 | 7 | | 0925 | 1.9 | 6 |
| WE | 1320 | 5.2 | 16 | TH | 1455 | 4.7 | 14 |
| ME | 2020 | 1.4 | 4 | JE | 2115 | 2.2 | 7 |
| 7 | 0215 | 5.7 | 17 | 22 | 0315 | 5.4 | 16 |
| | 0910 | 2.0 | 6 | | 1010 | 1.7 | 5 |
| TH | 1430 | 5.1 | 16 | FR | 1600 | 4.7 | 14 |
| JE | 2115 | 1.4 | 4 | VE | 2205 | 2.3 | 7 |
| 8 | 0320 | 5.9 | 18 | 23 | 0410 | 5.4 | 16 |
| | 1010 | 1.6 | 5 | | 1100 | 1.6 | 5 |
| FR | 1545 | 5.2 | 16 | SA | 1700 | 4.8 | 15 |
| VE | 2215 | 1.5 | 5 | SA | 2300 | 2.4 | 7 |
| 9 | 0420 | 6.1 | 19 | 24 | 0500 | 5.5 | 17 |
| | 1115 | 1.2 | 4 | | 1150 | 1.4 | 4 |
| SA | 1655 | 5.4 | 16 | SU | 1750 | 4.9 | 15 |
| SA | 2320 | 1.5 | 5 | DI | 2350 | 2.3 | 7 |
| 10 | 0515 | 6.4 | 20 | 25 | 0545 | 5.6 | 17 |
| | 1215 | .8 | 2 | | 1235 | 1.2 | 4 |
| SU | 1755 | 5.6 | 17 | MO | 1835 | 5.1 | 16 |
| DI | | | | LU | | | |
| 11 | 0020 | 1.4 | 4 | 26 | 0035 | 2.1 | 6 |
| | 0610 | 6.6 | 20 | | 0630 | 5.8 | 18 |
| MO | 1310 | .4 | 1 | TU | 1315 | 1.0 | 3 |
| LU | 1855 | 5.8 | 18 | MA | 1915 | 5.2 | 16 |
| 12 | 0120 | 1.3 | 4 | 27 | 0115 | 2.0 | 6 |
| | 0700 | 6.7 | 20 | | 0710 | 5.9 | 18 |
| TU | 1400 | .2 | 1 | WE | 1350 | .9 | 3 |
| MA | 1945 | 6.0 | 18 | ME | 1955 | 5.3 | 16 |
| 13 | 0210 | 1.2 | 4 | 28 | 0150 | 1.8 | 5 |
| | 0755 | 6.6 | 20 | | 0750 | 6.0 | 18 |
| WE | 1445 | .1 | 0 | TH | 1425 | .8 | 2 |
| ME | 2040 | 6.1 | 19 | JE | 2035 | 5.5 | 17 |
| 14 | 0305 | 1.3 | 4 | 29 | 0230 | 1.8 | 5 |
| | 0845 | 6.5 | 20 | | 0830 | 6.0 | 18 |
| TH | 1535 | .2 | 1 | FR | 1505 | .7 | 2 |
| JE | 2130 | 6.1 | 19 | VE | 2115 | 5.8 | 17 |
| 15 | 0355 | 1.5 | 5 | 30 | 0310 | 1.8 | 5 |
| | 0940 | 6.3 | 19 | | 0910 | 6.0 | 18 |
| FR | 1630 | .4 | 1 | SA | 1545 | .7 | 2 |
| VE | 2220 | 6.0 | 18 | SA | 2155 | 5.7 | 17 |
| | | | | 31 | 0350 | 1.9 | 6 |
| | | | | | 0950 | 6.0 | 18 |
| | | | | SU | 1625 | .8 | 2 |
| | | | | DI | 2235 | 5.9 | 18 |

# POINT TUPPER (AST 2:4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | 4.4 | 1.3 | 16 | 0200 | 4.8 | 1.5 |
| | 0840 | 1.6 | .5 | | 0925 | 1.0 | .3 |
| SU | 1415 | 4.3 | 1.3 | MO | 1450 | 4.7 | 1.4 |
| DI | 2055 | 1.9 | .6 | LU | 2200 | 1.5 | .5 |
| 2 | 0235 | 4.3 | 1.3 | 17 | 0310 | 4.8 | 1.4 |
| | 0925 | 1.5 | .5 | | 1020 | 1.1 | .3 |
| MO | 1515 | 4.4 | 1.3 | TU | 1610 | 4.8 | 1.5 |
| LU | 2155 | 1.9 | .6 | MA | 2305 | 1.5 | .5 |
| 3 | 0335 | 4.3 | 1.3 | 18 | 0425 | 4.5 | 1.4 |
| | 1015 | 1.4 | .4 | | 1120 | 1.1 | .3 |
| TU | 1615 | 4.6 | 1.4 | WE | 1720 | 5.1 | 1.6 |
| MA | 2255 | 1.9 | .6 | ME | | | |
| 4 | 0430 | 4.4 | 1.3 | 19 | 0005 | 1.5 | .5 |
| | 1110 | 1.3 | .4 | | 0530 | 4.6 | 1.4 |
| WE | 1715 | 4.9 | 1.5 | TH | 1210 | 1.0 | .3 |
| ME | 2355 | 1.7 | .5 | JE | 1820 | 5.3 | 1.6 |
| 5 | 0525 | 4.6 | 1.4 | 20 | 0100 | 1.4 | .4 |
| | 1200 | 1.1 | .3 | | 0630 | 4.7 | 1.4 |
| TH | 1805 | 5.2 | 1.6 | FR | 1300 | .9 | .3 |
| JE | | | | VE | 1910 | 5.6 | 1.7 |
| 6 | 0045 | 1.6 | .5 | 21 | 0145 | 1.4 | .4 |
| | 0620 | 4.7 | 1.4 | | 0715 | 4.9 | 1.5 |
| FR | 1250 | .8 | .2 | SA | 1345 | .8 | .2 |
| VE | 1855 | 5.5 | 1.7 | SA | 1950 | 5.7 | 1.7 |
| 7 | 0130 | 1.3 | .4 | 22 | 0230 | 1.3 | .4 |
| | 0710 | 4.9 | 1.5 | | 0800 | 5.0 | 1.5 |
| SA | 1335 | .6 | .2 | SU | 1425 | .8 | .2 |
| SA | 1945 | 5.8 | 1.8 | DI | 2030 | 5.8 | 1.8 |
| 8 | 0220 | 1.2 | .4 | 23 | 0310 | 1.3 | .4 |
| | 0755 | 5.1 | 1.6 | | 0845 | 5.1 | 1.6 |
| SU | 1420 | .4 | .1 | MO | 1505 | .8 | .2 |
| DI | 2025 | 6.0 | 1.8 | LU | 2110 | 5.8 | 1.8 |
| 9 | 0305 | 1.0 | .3 | 24 | 0355 | 1.3 | .4 |
| | 0845 | 5.2 | 1.6 | | 0925 | 5.1 | 1.6 |
| MO | 1505 | .3 | .1 | TU | 1545 | .8 | .2 |
| LU | 2110 | 6.2 | 1.9 | MA | 2145 | 5.7 | 1.7 |
| 10 | 0355 | .9 | .3 | 25 | 0430 | 1.3 | .4 |
| | 0930 | 5.2 | 1.6 | | 1000 | 5.0 | 1.5 |
| TU | 1555 | .3 | .1 | WE | 1620 | .9 | .3 |
| MA | 2150 | 6.2 | 1.9 | ME | 2220 | 5.5 | 1.7 |
| 11 | 0450 | .8 | .2 | 26 | 0510 | 1.3 | .4 |
| | 1010 | 5.2 | 1.6 | | 1035 | 4.9 | 1.5 |
| WE | 1650 | .4 | .1 | TH | 1700 | 1.1 | .3 |
| ME | 2235 | 6.1 | 1.9 | JE | 2255 | 5.2 | 1.6 |
| 12 | 0545 | .7 | .2 | 27 | 0545 | 1.4 | .4 |
| | 1100 | 5.2 | 1.6 | | 1110 | 4.7 | 1.4 |
| TH | 1745 | .8 | .2 | FR | 1740 | 1.3 | .4 |
| JE | 2320 | 5.9 | 1.8 | VE | 2330 | 4.9 | 1.5 |
| 13 | 0640 | .8 | .2 | 28 | 0620 | 1.5 | .5 |
| | 1145 | 5.0 | 1.5 | | 1150 | 4.6 | 1.4 |
| FR | 1845 | .8 | .2 | SA | 1820 | 1.5 | .5 |
| VE | | | | SA | | | |
| 14 | 0010 | 5.5 | 1.7 | 29 | 0005 | 4.8 | 1.4 |
| | 0735 | .8 | .2 | | 0700 | 1.5 | .5 |
| SA | 1240 | 4.9 | 1.5 | SU | 1230 | 4.5 | 1.4 |
| SA | 1950 | 1.1 | .3 | DI | 1915 | 1.8 | .5 |
| 15 | 0100 | 5.1 | 1.6 | 30 | 0045 | 4.4 | 1.3 |
| | 0830 | .9 | .3 | | 0745 | 1.8 | .5 |
| SU | 1340 | 4.8 | 1.5 | MO | 1315 | 4.4 | 1.3 |
| DI | 2055 | 1.3 | .4 | LU | 2010 | 1.9 | .6 |
| | | | | 31 | 0135 | 4.2 | 1.3 |
| | | | | | 0840 | 1.6 | .5 |
| | | | | TU | 1415 | 4.4 | 1.3 |
| | | | | MA | 2115 | 2.0 | .6 |

### FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0235 | 4.1 | 1.2 | 16 | 0420 | 4.1 | 1.2 |
| | 0935 | 1.5 | .5 | | 1100 | 1.3 | .4 |
| WE | 1525 | 4.5 | 1.4 | TH | 1725 | 4.9 | 1.5 |
| ME | 2220 | 2.0 | .6 | JE | 2350 | 1.6 | .5 |
| 2 | 0345 | 4.2 | 1.3 | 17 | 0535 | 4.3 | 1.3 |
| | 1035 | 1.3 | .4 | | 1155 | 1.2 | .4 |
| TH | 1640 | 4.7 | 1.4 | FR | 1815 | 5.1 | 1.6 |
| JE | 2325 | 1.8 | .5 | VE | | | |
| 3 | 0455 | 4.4 | 1.3 | 18 | 0045 | 1.5 | .5 |
| | 1135 | 1.1 | .3 | | 0625 | 4.8 | 1.4 |
| FR | 1745 | 5.1 | 1.6 | SA | 1245 | 1.0 | .3 |
| VE | | | | SA | 1855 | 5.4 | 1.6 |
| 4 | 0015 | 1.5 | .5 | 19 | 0130 | 1.3 | .4 |
| | 0600 | 4.8 | 1.4 | | 0710 | 4.8 | 1.5 |
| SA | 1225 | .7 | .2 | SU | 1325 | .9 | .3 |
| SA | 1840 | 5.6 | 1.7 | DI | 1935 | 5.6 | 1.7 |
| 5 | 0105 | 1.2 | .4 | 20 | 0210 | 1.2 | .4 |
| | 0655 | 4.9 | 1.5 | | 0745 | 5.0 | 1.5 |
| SU | 1315 | .4 | .1 | MO | 1405 | .7 | .2 |
| DI | 1925 | 5.9 | 1.8 | LU | 2010 | 5.7 | 1.7 |
| 6 | 0155 | .8 | .2 | 21 | 0245 | 1.1 | .3 |
| | 0740 | 5.2 | 1.6 | | 0820 | 5.1 | 1.6 |
| MO | 1400 | .2 | .1 | TU | 1445 | .7 | .2 |
| LU | 2005 | 6.2 | 1.9 | MA | 2040 | 5.6 | 1.7 |
| 7 | 0245 | .6 | .2 | 22 | 0315 | 1.0 | .3 |
| | 0825 | 5.4 | 1.6 | | 0855 | 5.2 | 1.6 |
| TU | 1450 | .0 | .0 | WE | 1520 | .7 | .2 |
| MA | 2045 | 6.4 | 2.0 | ME | 2115 | 5.5 | 1.7 |
| 8 | 0330 | .4 | .1 | 23 | 0350 | 1.0 | .3 |
| | 0910 | 5.6 | 1.7 | | 0930 | 5.1 | 1.6 |
| WE | 1540 | .0 | .0 | TH | 1555 | .8 | .2 |
| ME | 2130 | 6.4 | 2.0 | JE | 2145 | 5.3 | 1.6 |
| 9 | 0420 | .3 | .1 | 24 | 0420 | 1.1 | .3 |
| | 0950 | 5.6 | 1.7 | | 1005 | 5.1 | 1.6 |
| TH | 1630 | .2 | .1 | FR | 1625 | .9 | .3 |
| JE | 2210 | 6.2 | 1.9 | VE | 2220 | 5.0 | 1.5 |
| 10 | 0515 | .4 | .1 | 25 | 0450 | 1.1 | .3 |
| | 1035 | 5.5 | 1.7 | | 1035 | 4.9 | 1.5 |
| FR | 1730 | .4 | .1 | SA | 1700 | 1.2 | .4 |
| VE | 2255 | 5.8 | 1.8 | SA | 2250 | 4.8 | 1.5 |
| 11 | 0610 | .5 | .2 | 26 | 0520 | 1.3 | .4 |
| | 1125 | 5.3 | 1.6 | | 1110 | 4.8 | 1.5 |
| SA | 1830 | .8 | .2 | SU | 1745 | 1.5 | .5 |
| SA | 2340 | 5.4 | 1.6 | DI | 2325 | 4.5 | 1.4 |
| 12 | 0705 | .7 | .2 | 27 | 0605 | 1.4 | .4 |
| | 1215 | 5.1 | 1.6 | | 1150 | 4.7 | 1.4 |
| SU | 1935 | 1.1 | .3 | MO | 1835 | 1.7 | .5 |
| DI | | | | LU | | | |
| 13 | 0035 | 4.9 | 1.5 | 28 | 0000 | 4.3 | 1.3 |
| | 0805 | 1.0 | .3 | | 0655 | 1.5 | .5 |
| MO | 1310 | 4.8 | 1.5 | TU | 1235 | 4.5 | 1.4 |
| LU | 2040 | 1.4 | .4 | MA | 1940 | 1.9 | .6 |
| 14 | 0130 | 4.4 | 1.3 | | | | |
| | 0900 | 1.2 | .4 | | | | |
| TU | 1420 | 4.6 | 1.4 | | | | |
| MA | 2145 | 1.6 | .5 | | | | |
| 15 | 0245 | 4.2 | 1.3 | | | | |
| | 1000 | 1.3 | .4 | | | | |
| WE | 1605 | 4.6 | 1.4 | | | | |
| ME | 2255 | 1.6 | .5 | | | | |

### MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0050 | 4.1 | 1.2 | 16 | 0225 | 3.9 | 1.2 |
| | 0800 | 1.5 | .5 | | 0940 | 1.4 | .4 |
| WE | 1330 | 4.4 | 1.3 | TH | 1600 | 4.5 | 1.4 |
| ME | 2050 | 2.0 | .6 | JE | 2235 | 1.6 | .5 |
| 2 | 0150 | 4.0 | 1.2 | 17 | 0420 | 3.9 | 1.2 |
| | 0905 | 1.5 | .5 | | 1040 | 1.4 | .4 |
| TH | 1445 | 4.4 | 1.3 | FR | 1715 | 4.7 | 1.4 |
| JE | 2155 | 1.9 | .6 | VE | 2330 | 1.5 | .5 |
| 3 | 0305 | 4.0 | 1.2 | 18 | 0525 | 4.2 | 1.3 |
| | 1005 | 1.3 | .4 | | 1135 | 1.3 | .4 |
| FR | 1615 | 4.7 | 1.4 | SA | 1755 | 4.9 | 1.5 |
| VE | 2255 | 1.6 | .5 | SA | | | |
| 4 | 0435 | 4.3 | 1.3 | 19 | 0020 | 1.4 | .4 |
| | 1105 | 1.0 | .3 | | 0610 | 4.5 | 1.4 |
| SA | 1725 | 5.1 | 1.6 | SU | 1225 | 1.1 | .3 |
| SA | 2350 | 1.2 | .4 | DI | 1830 | 5.2 | 1.6 |
| 5 | 0540 | 4.6 | 1.4 | 20 | 0100 | 1.2 | .4 |
| | 1200 | .6 | .2 | | 0645 | 4.8 | 1.5 |
| SU | 1815 | 5.6 | 1.7 | MO | 1305 | .9 | .3 |
| DI | | | | LU | 1905 | 5.3 | 1.6 |
| 6 | 0040 | .8 | .2 | 21 | 0135 | 1.0 | .3 |
| | 0635 | 5.1 | 1.6 | | 0720 | 5.0 | 1.5 |
| MO | 1250 | .3 | .1 | TU | 1345 | .7 | .2 |
| LU | 1855 | 6.0 | 1.8 | MA | 1940 | 5.4 | 1.6 |
| 7 | 0130 | .5 | .2 | 22 | 0210 | .9 | .3 |
| | 0720 | 5.4 | 1.6 | | 0755 | 5.2 | 1.6 |
| TU | 1340 | .0 | .0 | WE | 1420 | .6 | .2 |
| MA | 1940 | 6.3 | 1.9 | ME | 2010 | 5.4 | 1.6 |
| 8 | 0215 | .2 | .1 | 23 | 0240 | .8 | .2 |
| | 0800 | 5.7 | 1.7 | | 0825 | 5.2 | 1.6 |
| WE | 1430 | −.1 | .0 | TH | 1455 | .6 | .2 |
| ME | 2020 | 6.4 | 2.0 | JE | 2040 | 5.2 | 1.6 |
| 9 | 0305 | .0 | .0 | 24 | 0310 | .8 | .2 |
| | 0845 | 5.8 | 1.8 | | 0900 | 5.2 | 1.6 |
| TH | 1520 | −.1 | .0 | FR | 1530 | .7 | .2 |
| JE | 2105 | 6.3 | 1.9 | VE | 2115 | 5.0 | 1.5 |
| 10 | 0355 | .0 | .0 | 25 | 0335 | .8 | .2 |
| | 0930 | 5.9 | 1.8 | | 0930 | 5.2 | 1.6 |
| FR | 1615 | .1 | .0 | SA | 1600 | .9 | .3 |
| VE | 2145 | 6.0 | 1.8 | SA | 2145 | 4.8 | 1.5 |
| 11 | 0445 | .2 | .1 | 26 | 0405 | .9 | .3 |
| | 1015 | 5.7 | 1.7 | | 1005 | 5.1 | 1.6 |
| SA | 1710 | .4 | .1 | SU | 1635 | 1.2 | .4 |
| SA | 2230 | 5.6 | 1.7 | DI | 2215 | 4.6 | 1.4 |
| 12 | 0540 | .5 | .2 | 27 | 0440 | 1.1 | .3 |
| | 1100 | 5.5 | 1.7 | | 1040 | 4.9 | 1.5 |
| SU | 1815 | .8 | .2 | MO | 1720 | 1.5 | .5 |
| DI | 2320 | 5.1 | 1.6 | LU | 2250 | 4.4 | 1.3 |
| 13 | 0635 | .8 | .2 | 28 | 0525 | 1.2 | .4 |
| | 1150 | 5.2 | 1.6 | | 1115 | 4.8 | 1.5 |
| MO | 1920 | 1.2 | .4 | TU | 1815 | 1.7 | .5 |
| LU | | | | MA | 2330 | 4.2 | 1.3 |
| 14 | 0010 | 4.6 | 1.4 | 29 | 0625 | 1.4 | .4 |
| | 0740 | 1.1 | .3 | | 1200 | 4.6 | 1.4 |
| TU | 1245 | 4.8 | 1.5 | WE | 1925 | 1.9 | .6 |
| MA | 2025 | 1.4 | .4 | ME | | | |
| 15 | 0105 | 4.1 | 1.2 | 30 | 0020 | 4.1 | 1.2 |
| | 0840 | 1.3 | .4 | | 0730 | 1.4 | .4 |
| WE | 1355 | 4.5 | 1.4 | TH | 1300 | 4.5 | 1.4 |
| ME | 2130 | 1.6 | .5 | JE | 2030 | 1.8 | .5 |
| | | | | 31 | 0120 | 4.0 | 1.2 |
| | | | | | 0840 | 1.4 | .4 |
| | | | | FR | 1410 | 4.5 | 1.4 |
| | | | | VE | 2130 | 1.6 | .5 |

## TABLE DES MARÉES

# POINT TUPPER (NNA)

1989

### APRIL AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0245 | 4.0 | 1 2 | 16 | 0450 | 4.1 | 1 2 |
| | 0940 | 1.2 | 4 | | 1105 | 1.4 | 4 |
| SA | 1540 | 4.7 | 1 4 | SU | 1720 | 4.7 | 1 4 |
| SA | 2225 | 1.3 | 4 | DI | 2345 | 1.3 | 4 |
| 2 | 0410 | 4.3 | 1 3 | 17 | 0535 | 4.4 | 1 3 |
| | 1040 | .9 | 3 | | 1155 | 1.2 | 4 |
| SU | 1650 | 5.1 | 1 6 | MO | 1755 | 4.9 | 1 5 |
| DI | 2320 | .9 | 3 | LU | | | |
| 3 | 0515 | 4.7 | 1 4 | 18 | 0025 | 1.1 | 3 |
| | 1135 | .6 | 2 | | 0615 | 4.7 | 1 4 |
| MO | 1740 | 5.5 | 1 7 | TU | 1240 | 1.0 | 3 |
| LU | | | | MA | 1830 | 5.0 | 1 5 |
| 4 | 0015 | .5 | 2 | 19 | 0100 | .9 | 3 |
| | 0605 | 5.1 | 1 6 | | 0650 | 4.9 | 1 5 |
| TU | 1230 | .3 | 1 | WE | 1320 | .8 | 2 |
| MA | 1825 | 5.9 | 1 8 | ME | 1905 | 5.0 | 1 5 |
| 5 | 0105 | .2 | 1 | 20 | 0130 | .7 | 2 |
| | 0650 | 5.5 | 1 7 | | 0720 | 5.1 | 1 6 |
| WE | 1325 | .0 | 0 | TH | 1355 | .7 | 2 |
| ME | 1910 | 6.0 | 1 8 | JE | 1935 | 5.0 | 1 5 |
| 6 | 0150 | −.1 | 0 | 21 | 0200 | .6 | 2 |
| | 0735 | 5.8 | 1 8 | | 0755 | 5.2 | 1 6 |
| TH | 1415 | −.1 | 0 | FR | 1430 | .7 | 2 |
| JE | 1955 | 6.1 | 1 9 | VE | 2010 | 4.9 | 1 5 |
| 7 | 0240 | −.1 | 0 | 22 | 0235 | .6 | 2 |
| | 0820 | 6.0 | 1 8 | | 0830 | 5.3 | 1 6 |
| FR | 1505 | .0 | 0 | SA | 1505 | .8 | 2 |
| VE | 2040 | 5.9 | 1 8 | SA | 2045 | 4.8 | 1 5 |
| 8 | 0325 | −.1 | 0 | 23 | 0305 | .7 | 2 |
| | 0905 | 6.0 | 1 8 | | 0905 | 5.2 | 1 6 |
| SA | 1600 | .2 | 1 | SU | 1540 | 1.0 | 3 |
| SA | 2125 | 5.6 | 1 7 | DI | 2115 | 4.6 | 1 4 |
| 9 | 0415 | .2 | 1 | 24 | 0340 | .8 | 2 |
| | 0950 | 5.8 | 1 8 | | 0940 | 5.1 | 1 6 |
| SU | 1655 | .5 | 2 | MO | 1620 | 1.2 | 4 |
| DI | 2210 | 5.2 | 1 6 | LU | 2150 | 4.5 | 1 4 |
| 10 | 0510 | .5 | 2 | 25 | 0415 | .9 | 3 |
| | 1040 | 5.5 | 1 7 | | 1015 | 5.0 | 1 5 |
| MO | 1800 | .9 | 3 | TU | 1710 | 1.4 | 4 |
| LU | 2300 | 4.8 | 1 5 | MA | 2230 | 4.3 | 1 3 |
| 11 | 0610 | .8 | 2 | 26 | 0505 | 1.0 | 3 |
| | 1130 | 5.2 | 1 6 | | 1055 | 4.9 | 1 5 |
| TU | 1905 | 1.2 | 4 | WE | 1810 | 1.6 | 5 |
| MA | 2350 | 4.3 | 1 3 | ME | 2315 | 4.2 | 1 3 |
| 12 | 0710 | 1.1 | 3 | 27 | 0605 | 1.1 | 3 |
| | 1225 | 4.8 | 1 5 | | 1145 | 4.8 | 1 5 |
| WE | 2010 | 1.4 | 4 | TH | 1910 | 1.6 | 5 |
| ME | | | | JE | | | |
| 13 | 0050 | 4.0 | 1 2 | 28 | 0005 | 4.1 | 1 2 |
| | 0810 | 1.4 | 4 | | 0710 | 1.2 | 4 |
| TH | 1335 | 4.4 | 1 3 | FR | 1240 | 4.7 | 1 4 |
| JE | 2110 | 1.5 | 5 | VE | 2010 | 1.5 | 5 |
| 14 | 0210 | 3.8 | 1 2 | 29 | 0105 | 4.0 | 1 2 |
| | 0910 | 1.5 | 5 | | 0810 | 1.1 | 3 |
| FR | 1525 | 4.3 | 1 3 | SA | 1345 | 4.7 | 1 4 |
| VE | 2205 | 1.5 | 5 | SA | 2105 | 1.2 | 4 |
| 15 | 0350 | 3.8 | 1 2 | 30 | 0220 | 4.0 | 1 2 |
| | 1010 | 1.5 | 5 | | 0910 | 1.0 | 3 |
| SA | 1635 | 4.5 | 1 4 | SU | 1505 | 4.8 | 1 5 |
| SA | 2300 | 1.4 | 4 | DI | 2200 | .9 | 3 |

### MAY MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0340 | 4.3 | 1 3 | 16 | 0450 | 4.2 | 1 3 |
| | 1010 | .8 | 2 | | 1115 | 1.3 | 4 |
| MO | 1610 | 5.0 | 1 5 | TU | 1710 | 4.5 | 1 4 |
| LU | 2255 | .6 | 2 | MA | 2340 | 1.0 | 3 |
| 2 | 0445 | 4.7 | 1 4 | 17 | 0535 | 4.5 | 1 4 |
| | 1110 | .6 | 2 | | 1205 | 1.1 | 3 |
| TU | 1705 | 5.3 | 1 6 | WE | 1750 | 4.6 | 1 4 |
| MA | 2345 | .3 | 1 | ME | | | |
| 3 | 0535 | 5.1 | 1 6 | 18 | 0015 | .9 | 3 |
| | 1210 | .4 | 1 | | 0610 | 4.8 | 1 5 |
| WE | 1755 | 5.5 | 1 7 | TH | 1245 | 1.0 | 3 |
| ME | | | | JE | 1825 | 4.6 | 1 4 |
| 4 | 0040 | .1 | 0 | 19 | 0055 | .7 | 2 |
| | 0625 | 5.5 | 1 7 | | 0650 | 5.0 | 1 5 |
| TH | 1305 | .2 | 1 | FR | 1325 | .9 | 3 |
| JE | 1840 | 5.6 | 1 7 | VE | 1905 | 4.7 | 1 4 |
| 5 | 0125 | −.1 | 0 | 20 | 0130 | .8 | 2 |
| | 0710 | 5.8 | 1 8 | | 0730 | 5.1 | 1 6 |
| FR | 1400 | .1 | 0 | SA | 1405 | .9 | 3 |
| VE | 1930 | 5.6 | 1 7 | SA | 1940 | 4.6 | 1 4 |
| 6 | 0215 | −.1 | 0 | 21 | 0205 | .5 | 2 |
| | 0800 | 5.9 | 1 8 | | 0805 | 5.2 | 1 6 |
| SA | 1450 | .2 | 1 | SU | 1445 | .9 | 3 |
| SA | 2015 | 5.5 | 1 7 | DI | 2015 | 4.6 | 1 4 |
| 7 | 0300 | .0 | 0 | 22 | 0245 | .5 | 2 |
| | 0845 | 5.9 | 1 8 | | 0845 | 5.2 | 1 6 |
| SU | 1545 | .4 | 1 | MO | 1525 | 1.0 | 3 |
| DI | 2105 | 5.2 | 1 6 | LU | 2055 | 4.5 | 1 4 |
| 8 | 0350 | .2 | 1 | 23 | 0320 | .5 | 2 |
| | 0935 | 5.8 | 1 8 | | 0920 | 5.2 | 1 6 |
| MO | 1640 | .7 | 2 | TU | 1605 | 1.2 | 4 |
| LU | 2150 | 4.9 | 1 5 | MA | 2135 | 4.4 | 1 3 |
| 9 | 0440 | .5 | 2 | 24 | 0405 | .6 | 2 |
| | 1025 | 5.5 | 1 7 | | 1000 | 5.2 | 1 6 |
| TU | 1740 | 1.0 | 3 | WE | 1700 | 1.2 | 4 |
| MA | 2240 | 4.6 | 1 4 | ME | 2215 | 4.3 | 1 3 |
| 10 | 0540 | .8 | 2 | 25 | 0450 | .7 | 2 |
| | 1110 | 5.2 | 1 6 | | 1045 | 5.1 | 1 6 |
| WE | 1845 | 1.2 | 4 | TH | 1755 | 1.3 | 4 |
| ME | 2335 | 4.3 | 1 3 | JE | 2300 | 4.3 | 1 3 |
| 11 | 0640 | 1.1 | 3 | 26 | 0550 | .8 | 2 |
| | 1205 | 4.8 | 1 5 | | 1130 | 5.1 | 1 6 |
| TH | 1945 | 1.4 | 4 | FR | 1855 | 1.2 | 4 |
| JE | | | | VE | 2350 | 4.2 | 1 3 |
| 12 | 0030 | 4.0 | 1 2 | 27 | 0650 | .9 | 3 |
| | 0740 | 1.3 | 4 | | 1220 | 5.0 | 1 5 |
| FR | 1305 | 4.5 | 1 4 | SA | 1950 | 1.0 | 3 |
| VE | 2040 | 1.4 | 4 | SA | | | |
| 13 | 0135 | 3.8 | 1 2 | 28 | 0050 | 4.1 | 1 2 |
| | 0835 | 1.4 | 4 | | 0750 | .9 | 3 |
| SA | 1420 | 4.3 | 1 3 | SU | 1320 | 4.9 | 1 5 |
| SA | 2130 | 1.4 | 4 | DI | 2040 | .8 | 2 |
| 14 | 0255 | 3.8 | 1 2 | 29 | 0155 | 4.2 | 1 3 |
| | 0930 | 1.5 | 5 | | 0850 | .9 | 3 |
| SU | 1535 | 4.3 | 1 3 | MO | 1425 | 4.8 | 1 5 |
| DI | 2215 | 1.3 | 4 | LU | 2135 | .7 | 2 |
| 15 | 0400 | 4.0 | 1 2 | 30 | 0305 | 4.3 | 1 3 |
| | 1025 | 1.4 | 4 | | 0950 | .8 | 2 |
| MO | 1630 | 4.4 | 1 3 | TU | 1535 | 4.9 | 1 5 |
| LU | 2300 | 1.2 | 4 | MA | 2230 | .5 | 2 |
| | | | | 31 | 0415 | 4.6 | 1 4 |
| | | | | | 1055 | .8 | 2 |
| | | | | WE | 1635 | 5.0 | 1 5 |
| | | | | ME | 2325 | .3 | 1 |

### JUNE JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0510 | 5.0 | 1 5 | 16 | 0535 | 4.6 | 1 4 |
| | 1155 | .6 | 2 | | 1210 | 1.3 | 4 |
| TH | 1725 | 5.1 | 1 6 | FR | 1750 | 4.3 | 1 3 |
| JE | | | | VE | | | |
| 2 | 0015 | .2 | 1 | 17 | 0015 | .8 | 2 |
| | 0605 | 5.3 | 1 6 | | 0620 | 4.8 | 1 5 |
| FR | 1255 | .5 | 2 | SA | 1300 | 1.1 | 3 |
| VE | 1820 | 5.1 | 1 6 | SA | 1835 | 4.4 | 1 3 |
| 3 | 0105 | .1 | 0 | 18 | 0100 | .8 | 2 |
| | 0655 | 5.6 | 1 7 | | 0705 | 5.0 | 1 5 |
| SA | 1345 | .5 | 2 | SU | 1340 | 1.1 | 3 |
| SA | 1910 | 5.1 | 1 6 | DI | 1915 | 4.4 | 1 3 |
| 4 | 0155 | .0 | 0 | 19 | 0140 | .4 | 1 |
| | 0745 | 5.8 | 1 8 | | 0750 | 5.2 | 1 6 |
| SU | 1440 | .5 | 2 | MO | 1425 | 1.0 | 3 |
| LU | 2050 | 4.9 | 1 5 | MA | 2040 | 4.5 | 1 4 |
| 5 | 0240 | .1 | 0 | 20 | 0225 | .3 | 1 |
| | 0835 | 5.8 | 1 8 | | 0830 | 5.3 | 1 6 |
| MO | 1530 | .6 | 2 | TU | 1505 | 1.0 | 3 |
| LU | 2050 | 4.9 | 1 5 | MA | 2040 | 4.5 | 1 4 |
| 6 | 0330 | .2 | 1 | 21 | 0305 | .3 | 1 |
| | 0920 | 5.7 | 1 7 | | 0910 | 5.4 | 1 6 |
| TU | 1625 | .8 | 2 | WE | 1550 | .9 | 3 |
| MA | 2140 | 4.8 | 1 5 | ME | 2125 | 4.5 | 1 4 |
| 7 | 0420 | .5 | 2 | 22 | 0350 | .3 | 1 |
| | 1010 | 5.5 | 1 7 | | 0950 | 5.5 | 1 7 |
| WE | 1720 | 1.0 | 3 | TH | 1640 | .9 | 3 |
| ME | 2225 | 4.5 | 1 4 | JE | 2205 | 4.6 | 1 4 |
| 8 | 0510 | .7 | 2 | 23 | 0435 | .3 | 1 |
| | 1055 | 5.2 | 1 6 | | 1030 | 5.5 | 1 7 |
| TH | 1820 | 1.1 | 3 | FR | 1735 | .8 | 2 |
| JE | 2315 | 4.3 | 1 3 | VE | 2250 | 4.5 | 1 4 |
| 9 | 0605 | 1.0 | 3 | 24 | 0530 | .4 | 1 |
| | 1140 | 4.9 | 1 5 | | 1115 | 5.4 | 1 6 |
| FR | 1910 | 1.2 | 4 | SA | 1830 | .7 | 2 |
| VE | | | | SA | 2335 | 4.5 | 1 4 |
| 10 | 0005 | 4.1 | 1 2 | 25 | 0625 | .6 | 2 |
| | 0700 | 1.2 | 4 | | 1200 | 5.2 | 1 6 |
| SA | 1230 | 4.6 | 1 4 | SU | 1925 | .6 | 2 |
| SA | 2000 | 1.3 | 4 | DI | | | |
| 11 | 0055 | 3.9 | 1 2 | 26 | 0030 | 4.4 | 1 3 |
| | 0750 | 1.3 | 4 | | 0725 | .7 | 2 |
| SU | 1320 | 4.3 | 1 3 | MO | 1255 | 5.0 | 1 5 |
| DI | 2040 | 1.3 | 4 | LU | 2015 | .6 | 2 |
| 12 | 0150 | 3.8 | 1 2 | 27 | 0130 | 4.3 | 1 3 |
| | 0840 | 1.4 | 4 | | 0830 | .9 | 3 |
| MO | 1420 | 4.1 | 1 2 | TU | 1350 | 4.8 | 1 5 |
| LU | 2120 | 1.3 | 4 | MA | 2110 | .6 | 2 |
| 13 | 0255 | 3.9 | 1 2 | 28 | 0235 | 4.4 | 1 3 |
| | 0930 | 1.5 | 5 | | 0935 | 1.0 | 3 |
| TU | 1520 | 4.1 | 1 2 | WE | 1455 | 4.8 | 1 4 |
| MA | 2205 | 1.2 | 4 | ME | 2205 | .5 | 2 |
| 14 | 0355 | 4.1 | 1 2 | 29 | 0345 | 4.6 | 1 4 |
| | 1025 | 1.5 | 5 | | 1040 | 1.0 | 3 |
| WE | 1615 | 4.1 | 1 2 | TH | 1605 | 4.5 | 1 4 |
| ME | 2245 | 1.1 | 3 | JE | 2305 | .5 | 2 |
| 15 | 0450 | 4.3 | 1 3 | 30 | 0450 | 4.8 | 1 5 |
| | 1120 | 1.4 | 4 | | 1145 | .9 | 3 |
| TH | 1705 | 4.2 | 1 3 | FR | 1705 | 4.8 | 1 4 |
| JE | 2335 | .9 | 3 | VE | | | |

# POINT TUPPER (AST 2:4)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht ft | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0000 | .4 | 1 | 16 | 0600 | 4.7 | 1 4 |
| | 0550 | 5.1 | 1 6 | | 1230 | 1.3 | 4 |
| SA | 1245 | .9 | 3 | SU | 1810 | 4.2 | 1 3 |
| SA | 1805 | 4.6 | 1 4 | DI | | | |
| 2 | 0050 | .3 | 1 | 17 | 0035 | .8 | 2 |
| | 0650 | 5.4 | 1 6 | | 0650 | 5.0 | 1 5 |
| SU | 1335 | .8 | 2 | MO | 1315 | 1.1 | 3 |
| DI | 1900 | 4.7 | 1 4 | LU | 1900 | 4.4 | 1 3 |
| 3 | 0140 | .2 | 1 | 18 | 0120 | .4 | 1 |
| | 0740 | 5.6 | 1 7 | | 0730 | 5.3 | 1 6 |
| MO | 1425 | .8 | 2 | TU | 1400 | .9 | 3 |
| LU | 1950 | 4.8 | 1 5 | MA | 1945 | 4.6 | 1 4 |
| 4 | 0225 | .2 | 1 | 19 | 0200 | .2 | 1 |
| | 0825 | 5.7 | 1 7 | | 0810 | 5.6 | 1 7 |
| TU | 1515 | .8 | 2 | WE | 1445 | .7 | 2 |
| MA | 2040 | 4.8 | 1 5 | ME | 2025 | 4.8 | 1 5 |
| 5 | 0310 | .3 | 1 | 20 | 0245 | .0 | 0 |
| | 0910 | 5.6 | 1 7 | | 0850 | 5.8 | 1 8 |
| WE | 1605 | .9 | 3 | TH | 1530 | .6 | 2 |
| ME | 2125 | 4.8 | 1 5 | JE | 2105 | 4.9 | 1 5 |
| 6 | 0355 | .4 | 1 | 21 | 0330 | .0 | 0 |
| | 0950 | 5.5 | 1 7 | | 0930 | 5.8 | 1 8 |
| TH | 1655 | .9 | 3 | FR | 1620 | .4 | 1 |
| JE | 2210 | 4.6 | 1 4 | VE | 2150 | 4.9 | 1 5 |
| 7 | 0440 | .6 | 2 | 22 | 0420 | .0 | 0 |
| | 1030 | 5.3 | 1 6 | | 1010 | 5.8 | 1 8 |
| FR | 1740 | 1.0 | 3 | SA | 1710 | .4 | 1 |
| VE | 2250 | 4.5 | 1 4 | SA | 2230 | 4.9 | 1 5 |
| 8 | 0525 | .8 | 2 | 23 | 0510 | .2 | 1 |
| | 1110 | 5.0 | 1 5 | | 1050 | 5.6 | 1 7 |
| SA | 1825 | 1.1 | 3 | SU | 1800 | .4 | 1 |
| SA | 2330 | 4.3 | 1 3 | DI | 2315 | 4.9 | 1 5 |
| 9 | 0615 | 1.0 | 3 | 24 | 0610 | .4 | 1 |
| | 1150 | 4.6 | 1 4 | | 1135 | 5.3 | 1 6 |
| SU | 1905 | 1.2 | 4 | MO | 1855 | .4 | 1 |
| DI | | | | LU | | | |
| 10 | 0015 | 4.1 | 1 2 | 25 | 0005 | 4.7 | 1 4 |
| | 0700 | 1.2 | 4 | | 0710 | .7 | 2 |
| MO | 1230 | 4.3 | 1 3 | TU | 1225 | 5.0 | 1 5 |
| LU | 1945 | 1.2 | 4 | MA | 1950 | .6 | 2 |
| 11 | 0100 | 4.0 | 1 2 | 26 | 0100 | 4.6 | 1 4 |
| | 0750 | 1.4 | 4 | | 0815 | 1.0 | 3 |
| TU | 1320 | 4.1 | 1 2 | WE | 1320 | 4.6 | 1 4 |
| MA | 2025 | 1.3 | 4 | ME | 2050 | .7 | 2 |
| 12 | 0150 | 4.0 | 1 2 | 27 | 0205 | 4.5 | 1 4 |
| | 0840 | 1.6 | 5 | | 0925 | 1.2 | 4 |
| WE | 1410 | 3.9 | 1 2 | TH | 1425 | 4.3 | 1 3 |
| ME | 2110 | 1.3 | 4 | JE | 2145 | .8 | 2 |
| 13 | 0250 | 4.0 | 1 2 | 28 | 0320 | 4.5 | 1 4 |
| | 0940 | 1.6 | 5 | | 1030 | 1.2 | 4 |
| TH | 1510 | 3.9 | 1 2 | FR | 1540 | 4.1 | 1 2 |
| JE | 2200 | 1.2 | 4 | VE | 2245 | .8 | 2 |
| 14 | 0355 | 4.1 | 1 2 | 29 | 0445 | 4.7 | 1 4 |
| | 1040 | 1.6 | 5 | | 1135 | 1.2 | 4 |
| FR | 1615 | 3.9 | 1 2 | SA | 1700 | 4.2 | 1 3 |
| VE | 2250 | 1.1 | 3 | SA | 2345 | .7 | 2 |
| 15 | 0500 | 4.4 | 1 3 | 30 | 0555 | 5.0 | 1 5 |
| | 1135 | 1.5 | 5 | | 1235 | 1.1 | 3 |
| SA | 1715 | 4.0 | 1 2 | SU | 1805 | 4.4 | 1 3 |
| SA | 2345 | .9 | 3 | DI | | | |
| | | | | 31 | 0035 | .6 | 2 |
| | | | | | 0650 | 5.3 | 1 6 |
| | | | | MO | 1325 | 1.0 | 3 |
| | | | | LU | 1855 | 4.6 | 1 4 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht ft | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0125 | .5 | 2 | 16 | 0055 | .4 | 1 |
| | 0730 | 5.5 | 1 7 | | 0705 | 5.5 | 1 7 |
| TU | 1410 | .9 | 3 | WE | 1330 | .7 | 2 |
| MA | 1945 | 4.8 | 1 5 | ME | 1920 | 4.9 | 1 5 |
| 2 | 0210 | .4 | 1 | 17 | 0140 | .1 | 0 |
| | 0810 | 5.6 | 1 7 | | 0745 | 5.8 | 1 8 |
| WE | 1455 | .8 | 2 | TH | 1415 | .4 | 1 |
| ME | 2025 | 4.9 | 1 5 | JE | 2005 | 5.2 | 1 6 |
| 3 | 0250 | .4 | 1 | 18 | 0225 | −.1 | 0 |
| | 0850 | 5.6 | 1 7 | | 0825 | 6.0 | 1 8 |
| TH | 1535 | .8 | 2 | FR | 1505 | .2 | 1 |
| JE | 2105 | 4.9 | 1 5 | VE | 2045 | 5.3 | 1 6 |
| 4 | 0330 | .4 | 1 | 19 | 0310 | −.2 | − 1 |
| | 0925 | 5.5 | 1 7 | | 0905 | 6.1 | 1 9 |
| FR | 1615 | .8 | 2 | SA | 1550 | .1 | 0 |
| VE | 2145 | 4.9 | 1 5 | SA | 2125 | 5.4 | 1 6 |
| 5 | 0410 | .5 | 2 | 20 | 0400 | −.1 | 0 |
| | 1000 | 5.3 | 1 6 | | 0945 | 6.0 | 1 8 |
| SA | 1655 | .9 | 3 | SU | 1640 | .1 | 0 |
| SA | 2220 | 4.8 | 1 5 | DI | 2210 | 5.4 | 1 6 |
| 6 | 0450 | .7 | 2 | 21 | 0455 | .1 | 0 |
| | 1035 | 5.0 | 1 5 | | 1025 | 5.7 | 1 7 |
| SU | 1730 | 1.0 | 3 | MO | 1730 | .3 | 1 |
| DI | 2255 | 4.6 | 1 4 | LU | 2255 | 5.3 | 1 6 |
| 7 | 0530 | 1.0 | 3 | 22 | 0555 | .5 | 2 |
| | 1110 | 4.7 | 1 4 | | 1110 | 5.3 | 1 6 |
| MO | 1805 | 1.1 | 3 | TU | 1830 | .5 | 2 |
| LU | 2335 | 4.5 | 1 4 | MA | 2340 | 5.1 | 1 6 |
| 8 | 0610 | 1.2 | 4 | 23 | 0700 | .8 | 2 |
| | 1150 | 4.4 | 1 3 | | 1200 | 4.9 | 1 5 |
| TU | 1845 | 1.3 | 4 | WE | 1925 | .7 | 2 |
| MA | | | | ME | | | |
| 9 | 0010 | 4.3 | 1 3 | 24 | 0035 | 4.8 | 1 5 |
| | 0700 | 1.5 | 5 | | 0805 | 1.1 | 3 |
| WE | 1230 | 4.1 | 1 2 | TH | 1255 | 4.4 | 1 3 |
| ME | 1925 | 1.4 | 4 | JE | 2030 | .9 | 3 |
| 10 | 0055 | 4.2 | 1 3 | 25 | 0140 | 4.6 | 1 4 |
| | 0800 | 1.7 | 5 | | 0915 | 1.3 | 4 |
| TH | 1315 | 3.9 | 1 2 | FR | 1405 | 4.1 | 1 2 |
| JE | 2020 | 1.4 | 4 | VE | 2130 | 1.1 | 3 |
| 11 | 0150 | 4.1 | 1 2 | 26 | 0310 | 4.5 | 1 4 |
| | 0900 | 1.8 | 5 | | 1020 | 1.4 | 4 |
| FR | 1410 | 3.8 | 1 2 | SA | 1535 | 3.9 | 1 2 |
| VE | 2115 | 1.4 | 4 | SA | 2230 | 1.1 | 3 |
| 12 | 0305 | 4.1 | 1 2 | 27 | 0455 | 4.7 | 1 4 |
| | 1005 | 1.8 | 5 | | 1125 | 1.4 | 4 |
| SA | 1525 | 3.8 | 1 2 | SU | 1710 | 4.1 | 1 2 |
| SA | 2215 | 1.2 | 4 | DI | 2330 | 1.0 | 3 |
| 13 | 0425 | 4.3 | 1 3 | 28 | 0555 | 5.0 | 1 5 |
| | 1105 | 1.7 | 5 | | 1220 | 1.3 | 4 |
| SU | 1645 | 4.0 | 1 2 | MO | 1805 | 4.4 | 1 3 |
| DI | 2310 | 1.0 | 3 | LU | | | |
| 14 | 0535 | 4.7 | 1 4 | 29 | 0020 | .9 | 3 |
| | 1155 | 1.4 | 4 | | 0635 | 5.2 | 1 6 |
| MO | 1750 | 4.3 | 1 3 | TU | 1305 | 1.1 | 3 |
| LU | | | | MA | 1850 | 4.7 | 1 4 |
| 15 | 0005 | .7 | 2 | 30 | 0110 | .7 | 2 |
| | 0625 | 5.1 | 1 6 | | 0715 | 5.4 | 1 6 |
| TU | 1245 | 1.1 | 3 | WE | 1350 | 1.0 | 3 |
| MA | 1840 | 4.6 | 1 4 | ME | 1925 | 4.9 | 1 5 |
| | | | | 31 | 0150 | .6 | 2 |
| | | | | | 0750 | 5.5 | 1 7 |
| | | | | TH | 1425 | .8 | 2 |
| | | | | JE | 2005 | 5.1 | 1 6 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht ft | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0230 | .5 | 2 | 16 | 0205 | −.1 | 0 |
| | 0825 | 5.5 | 1 7 | | 0755 | 6.2 | 1 9 |
| FR | 1500 | .8 | 2 | SA | 1435 | .0 | 0 |
| VE | 2040 | 5.2 | 1 6 | SA | 2020 | 5.8 | 1 8 |
| 2 | 0310 | .5 | 2 | 17 | 0255 | −.1 | 0 |
| | 0855 | 5.4 | 1 6 | | 0835 | 6.2 | 1 9 |
| SA | 1535 | .8 | 2 | SU | 1520 | .0 | 0 |
| SA | 2115 | 5.2 | 1 6 | DI | 2100 | 5.9 | 1 8 |
| 3 | 0345 | .6 | 2 | 18 | 0345 | .0 | 0 |
| | 0930 | 5.2 | 1 6 | | 0920 | 6.0 | 1 8 |
| SU | 1605 | .8 | 2 | MO | 1610 | .1 | 0 |
| DI | 2150 | 5.1 | 1 6 | LU | 2145 | 5.9 | 1 8 |
| 4 | 0420 | .8 | 2 | 19 | 0440 | .3 | 1 |
| | 1005 | 5.0 | 1 5 | | 1005 | 5.7 | 1 7 |
| MO | 1635 | 1.0 | 3 | TU | 1705 | .3 | 1 |
| LU | 2220 | 4.9 | 1 5 | MA | 2230 | 5.7 | 1 7 |
| 5 | 0455 | 1.1 | 3 | 20 | 0540 | .6 | 2 |
| | 1035 | 4.7 | 1 4 | | 1050 | 5.2 | 1 6 |
| TU | 1705 | 1.1 | 3 | WE | 1800 | .6 | 2 |
| MA | 2255 | 4.8 | 1 5 | ME | 2320 | 5.4 | 1 6 |
| 6 | 0535 | 1.4 | 4 | 21 | 0650 | 1.0 | 3 |
| | 1110 | 4.4 | 1 3 | | 1140 | 4.7 | 1 4 |
| WE | 1745 | 1.3 | 4 | TH | 1905 | .9 | 3 |
| ME | 2335 | 4.6 | 1 4 | JE | | | |
| 7 | 0625 | 1.7 | 5 | 22 | 0015 | 5.0 | 1 5 |
| | 1145 | 4.2 | 1 3 | | 0755 | 1.3 | 4 |
| TH | 1835 | 1.4 | 4 | FR | 1235 | 4.3 | 1 3 |
| JE | | | | VE | 2005 | 1.2 | 4 |
| 8 | 0015 | 4.4 | 1 3 | 23 | 0120 | 4.7 | 1 4 |
| | 0725 | 1.9 | 6 | | 0900 | 1.5 | 5 |
| FR | 1230 | 4.0 | 1 2 | SA | 1350 | 4.0 | 1 2 |
| VE | 1935 | 1.5 | 5 | SA | 2110 | 1.3 | 4 |
| 9 | 0105 | 4.3 | 1 3 | 24 | 0310 | 4.5 | 1 4 |
| | 0830 | 2.0 | 6 | | 1005 | 1.5 | 5 |
| SA | 1325 | 3.9 | 1 2 | SU | 1540 | 3.9 | 1 2 |
| SA | 2040 | 1.5 | 5 | DI | 2210 | 1.4 | 4 |
| 10 | 0215 | 4.2 | 1 3 | 25 | 0445 | 4.7 | 1 4 |
| | 0930 | 1.9 | 6 | | 1105 | 1.5 | 5 |
| SU | 1440 | 3.8 | 1 2 | MO | 1700 | 4.2 | 1 3 |
| DI | 2140 | 1.4 | 4 | LU | 2310 | 1.3 | 4 |
| 11 | 0350 | 4.4 | 1 3 | 26 | 0535 | 4.9 | 1 5 |
| | 1030 | 1.7 | 5 | | 1155 | 1.3 | 4 |
| MO | 1615 | 4.1 | 1 2 | TU | 1745 | 4.5 | 1 4 |
| LU | 2240 | 1.1 | 3 | MA | | | |
| 12 | 0505 | 4.6 | 1 5 | 27 | 0005 | 1.1 | 3 |
| | 1125 | 1.3 | 4 | | 0610 | 5.1 | 1 6 |
| TU | 1720 | 4.4 | 1 3 | WE | 1240 | 1.2 | 4 |
| MA | 2335 | .8 | 2 | ME | 1825 | 4.8 | 1 5 |
| 13 | 0550 | 5.3 | 1 6 | 28 | 0050 | 1.0 | 3 |
| | 1215 | .9 | 3 | | 0645 | 5.3 | 1 6 |
| WE | 1810 | 4.9 | 1 5 | TH | 1320 | 1.0 | 3 |
| ME | | | | JE | 1900 | 5.1 | 1 6 |
| 14 | 0025 | .4 | 1 | 29 | 0130 | .8 | 2 |
| | 0635 | 5.7 | 1 7 | | 0720 | 5.4 | 1 6 |
| TH | 1300 | .5 | 2 | FR | 1355 | .9 | 3 |
| JE | 1855 | 5.3 | 1 6 | VE | 1935 | 5.2 | 1 6 |
| 15 | 0115 | .1 | 0 | 30 | 0210 | .7 | 2 |
| | 0715 | 6.0 | 1 8 | | 0750 | 5.4 | 1 6 |
| FR | 1350 | .2 | 1 | SA | 1425 | .8 | 2 |
| VE | 1935 | 5.6 | 1 7 | SA | 2010 | 5.4 | 1 6 |

V-1

# TABLE DES MARÉES

# POINT TUPPER (NNA 2-4)

1989

## OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0245 | .7 | 2 | 16 | 0235 | .2 | 1 |
| | 0825 | 5.3 | 1 6 | | 0810 | 6.0 | 1 8 |
| SU | 1455 | .8 | 2 | MO | 1455 | .0 | 0 |
| DI | 2045 | 5.4 | 1 6 | LU | 2040 | 6.2 | 1 9 |
| 2 | 0320 | .8 | 2 | 17 | 0330 | .3 | 1 |
| | 0900 | 5.1 | 1 6 | | 0855 | 5.8 | 1 8 |
| MO | 1525 | .9 | 3 | TU | 1545 | .2 | 1 |
| LU | 2115 | 5.3 | 1 6 | MA | 2125 | 6.1 | 1 9 |
| 3 | 0350 | 1.0 | 3 | 18 | 0425 | .6 | 2 |
| | 0930 | 4.9 | 1 5 | | 0945 | 5.5 | 1 7 |
| TU | 1555 | 1.0 | 3 | WE | 1640 | .5 | 2 |
| MA | 2150 | 5.2 | 1 6 | ME | 2215 | 5.9 | 1 8 |
| 4 | 0425 | 1.3 | 4 | 19 | 0530 | .9 | 3 |
| | 1005 | 4.7 | 1 4 | | 1035 | 5.1 | 1 6 |
| WE | 1625 | 1.1 | 3 | TH | 1740 | .8 | 2 |
| ME | 2225 | 5.1 | 1 6 | JE | 2305 | 5.6 | 1 7 |
| 5 | 0505 | 1.6 | 5 | 20 | 0635 | 1.2 | 4 |
| | 1040 | 4.5 | 1 4 | | 1125 | 4.7 | 1 4 |
| TH | 1705 | 1.3 | 4 | FR | 1840 | 1.1 | 3 |
| JE | 2305 | 4.9 | 1 5 | VE | | | |
| 6 | 0600 | 1.8 | 5 | 21 | 0000 | 5.2 | 1 6 |
| | 1115 | 4.3 | 1 3 | | 0740 | 1.4 | 4 |
| FR | 1800 | 1.5 | 5 | SA | 1225 | 4.3 | 1 3 |
| VE | 2345 | 4.7 | 1 4 | SA | 1945 | 1.3 | 4 |
| 7 | 0705 | 2.0 | 6 | 22 | 0105 | 4.9 | 1 5 |
| | 1200 | 4.1 | 1 2 | | 0845 | 1.5 | 5 |
| SA | 1905 | 1.6 | 5 | SU | 1335 | 4.1 | 1 2 |
| SA | | | | DI | 2045 | 1.5 | 5 |
| 8 | 0035 | 4.6 | 1 4 | 23 | 0235 | 4.6 | 1 4 |
| | 0805 | 2.0 | 6 | | 0940 | 1.6 | 5 |
| SU | 1255 | 4.0 | 1 2 | MO | 1515 | 4.1 | 1 2 |
| DI | 2010 | 1.5 | 5 | LU | 2145 | 1.6 | 5 |
| 9 | 0140 | 4.5 | 1 4 | 24 | 0405 | 4.7 | 1 4 |
| | 0905 | 1.8 | 5 | | 1035 | 1.5 | 5 |
| MO | 1410 | 4.0 | 1 2 | TU | 1625 | 4.3 | 1 3 |
| LU | 2110 | 1.4 | 4 | MA | 2245 | 1.5 | 5 |
| 10 | 0305 | 4.7 | 1 4 | 25 | 0455 | 4.8 | 1 5 |
| | 1000 | 1.5 | 5 | | 1125 | 1.4 | 4 |
| TU | 1540 | 4.3 | 1 3 | WE | 1715 | 4.6 | 1 4 |
| MA | 2210 | 1.2 | 4 | ME | 2335 | 1.4 | 4 |
| 11 | 0420 | 5.0 | 1 5 | 26 | 0535 | 5.0 | 1 5 |
| | 1050 | 1.1 | 3 | | 1205 | 1.3 | 4 |
| WE | 1645 | 4.7 | 1 4 | TH | 1755 | 4.8 | 1 5 |
| ME | 2305 | .9 | 3 | JE | | | |
| 12 | 0510 | 5.4 | 1 6 | 27 | 0025 | 1.3 | 4 |
| | 1145 | .8 | 2 | | 0610 | 5.1 | 1 6 |
| TH | 1740 | 5.1 | 1 6 | FR | 1245 | 1.1 | 3 |
| JE | | | | VE | 1830 | 5.1 | 1 6 |
| 13 | 0000 | .6 | 2 | 28 | 0105 | 1.1 | 3 |
| | 0600 | 5.8 | 1 8 | | 0645 | 5.2 | 1 6 |
| FR | 1235 | .4 | 1 | SA | 1315 | 1.0 | 3 |
| VE | 1825 | 5.5 | 1 7 | SA | 1905 | 5.3 | 1 6 |
| 14 | 0055 | .3 | 1 | 29 | 0145 | 1.0 | 3 |
| | 0645 | 6.0 | 1 8 | | 0720 | 5.2 | 1 6 |
| SA | 1320 | .1 | 0 | SU | 1350 | .9 | 3 |
| SA | 1910 | 5.9 | 1 8 | DI | 1940 | 5.5 | 1 7 |
| 15 | 0145 | .2 | 1 | 30 | 0220 | 1.0 | 3 |
| | 0725 | 6.1 | 1 9 | | 0755 | 5.1 | 1 6 |
| SU | 1410 | .0 | 0 | MO | 1420 | .9 | 3 |
| DI | 1955 | 6.1 | 1 9 | LU | 2015 | 5.5 | 1 7 |
| | | | | 31 | 0255 | 1.1 | 3 |
| | | | | | 0830 | 5.0 | 1 5 |
| | | | | TU | 1455 | .9 | 3 |
| | | | | MA | 2050 | 5.5 | 1 7 |

## NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0330 | 1.3 | 4 | 16 | 0415 | .8 | 2 |
| | 0905 | 4.8 | 1 5 | | 0930 | 5.4 | 1 6 |
| WE | 1525 | 1.0 | 3 | TH | 1615 | .6 | 2 |
| ME | 2130 | 5.4 | 1 6 | JE | 2200 | 6.1 | 1 9 |
| 2 | 0410 | 1.5 | 5 | 17 | 0515 | 1.1 | 3 |
| | 0940 | 4.7 | 1 4 | | 1020 | 5.1 | 1 6 |
| TH | 1605 | 1.1 | 3 | FR | 1715 | .9 | 3 |
| JE | 2205 | 5.3 | 1 6 | VE | 2250 | 5.8 | 1 8 |
| 3 | 0450 | 1.7 | 5 | 18 | 0620 | 1.3 | 4 |
| | 1015 | 4.5 | 1 4 | | 1115 | 4.8 | 1 5 |
| FR | 1645 | 1.2 | 4 | SA | 1815 | 1.1 | 3 |
| VE | 2245 | 5.2 | 1 6 | SA | 2345 | 5.4 | 1 6 |
| 4 | 0545 | 1.8 | 5 | 19 | 0720 | 1.4 | 4 |
| | 1100 | 4.4 | 1 3 | | 1205 | 4.5 | 1 4 |
| SA | 1740 | 1.4 | 4 | SU | 1915 | 1.4 | 4 |
| SA | 2325 | 5.0 | 1 5 | DI | | | |
| 5 | 0645 | 1.9 | 6 | 20 | 0040 | 5.0 | 1 5 |
| | 1145 | 4.3 | 1 3 | | 0815 | 1.5 | 5 |
| SU | 1840 | 1.4 | 4 | MO | 1310 | 4.3 | 1 3 |
| DI | | | | LU | 2015 | 1.6 | 5 |
| 6 | 0015 | 5.0 | 1 5 | 21 | 0145 | 4.7 | 1 4 |
| | 0740 | 1.8 | 5 | | 0910 | 1.6 | 5 |
| MO | 1240 | 4.3 | 1 3 | TU | 1420 | 4.2 | 1 3 |
| LU | 1940 | 1.4 | 4 | MA | 2110 | 1.7 | 5 |
| 7 | 0115 | 4.9 | 1 5 | 22 | 0300 | 4.8 | 1 4 |
| | 0835 | 1.5 | 5 | | 0955 | 1.6 | 5 |
| TU | 1345 | 4.3 | 1 3 | WE | 1530 | 4.3 | 1 3 |
| MA | 2040 | 1.3 | 4 | ME | 2205 | 1.7 | 5 |
| 8 | 0220 | 5.0 | 1 5 | 23 | 0400 | 4.6 | 1 4 |
| | 0925 | 1.3 | 4 | | 1040 | 1.5 | 5 |
| WE | 1500 | 4.5 | 1 4 | TH | 1630 | 4.5 | 1 4 |
| ME | 2135 | 1.2 | 4 | JE | 2300 | 1.7 | 5 |
| 9 | 0330 | 5.1 | 1 6 | 24 | 0450 | 4.7 | 1 4 |
| | 1020 | 1.0 | 3 | | 1125 | 1.4 | 4 |
| TH | 1610 | 4.8 | 1 5 | FR | 1715 | 4.8 | 1 5 |
| JE | 2240 | 1.1 | 3 | VE | 2350 | 1.6 | 5 |
| 10 | 0430 | 5.4 | 1 6 | 25 | 0530 | 4.8 | 1 5 |
| | 1115 | .7 | 2 | | 1200 | 1.3 | 4 |
| FR | 1705 | 5.2 | 1 6 | SA | 1755 | 5.0 | 1 5 |
| VE | 2340 | .9 | 3 | SA | | | |
| 11 | 0525 | 5.6 | 1 7 | 26 | 0035 | 1.4 | 4 |
| | 1205 | .4 | 1 | | 0610 | 4.9 | 1 5 |
| SA | 1755 | 5.6 | 1 7 | SU | 1240 | 1.1 | 3 |
| SA | | | | DI | 1835 | 5.3 | 1 6 |
| 12 | 0035 | .7 | 2 | 27 | 0115 | 1.3 | 4 |
| | 0615 | 5.8 | 1 8 | | 0650 | 4.9 | 1 5 |
| SU | 1255 | .3 | 1 | MO | 1315 | 1.0 | 3 |
| DI | 1845 | 6.0 | 1 8 | LU | 1915 | 5.4 | 1 6 |
| 13 | 0130 | .5 | 2 | 28 | 0155 | 1.3 | 4 |
| | 0700 | 5.8 | 1 8 | | 0730 | 4.9 | 1 5 |
| MO | 1345 | .2 | 1 | TU | 1355 | .9 | 3 |
| LU | 1935 | 6.2 | 1 9 | MA | 1955 | 5.5 | 1 7 |
| 14 | 0225 | .5 | 2 | 29 | 0230 | 1.3 | 4 |
| | 0750 | 5.8 | 1 8 | | 0805 | 4.8 | 1 5 |
| TU | 1435 | .2 | 1 | WE | 1430 | .9 | 3 |
| MA | 2020 | 6.3 | 1 9 | ME | 2035 | 5.6 | 1 7 |
| 15 | 0315 | .6 | 2 | 30 | 0310 | 1.4 | 4 |
| | 0840 | 5.6 | 1 7 | | 0845 | 4.8 | 1 5 |
| WE | 1525 | .3 | 1 | TH | 1505 | .9 | 3 |
| ME | 2110 | 6.3 | 1 9 | JE | 2110 | 5.5 | 1 7 |

## DECEMBER DECEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0350 | 1.5 | 5 | 16 | 0455 | 1.2 | 4 |
| | 0925 | 4.7 | 1 4 | | 1010 | 5.1 | 1 6 |
| FR | 1545 | .9 | 3 | SA | 1650 | .8 | 2 |
| VE | 2150 | 5.5 | 1 7 | SA | 2235 | 5.9 | 1 8 |
| 2 | 0435 | 1.6 | 5 | 17 | 0555 | 1.3 | 4 |
| | 1005 | 4.7 | 1 4 | | 1055 | 4.9 | 1 5 |
| SA | 1630 | 1.0 | 3 | SU | 1745 | 1.1 | 3 |
| SA | 2230 | 5.5 | 1 7 | DI | 2320 | 5.5 | 1 7 |
| 3 | 0530 | 1.6 | 5 | 18 | 0650 | 1.4 | 4 |
| | 1045 | 4.6 | 1 4 | | 1145 | 4.7 | 1 4 |
| SU | 1720 | 1.1 | 3 | MO | 1840 | 1.3 | 4 |
| DI | 2310 | 5.4 | 1 6 | LU | | | |
| 4 | 0625 | 1.5 | 5 | 19 | 0005 | 5.1 | 1 6 |
| | 1130 | 4.6 | 1 4 | | 0740 | 1.5 | 5 |
| MO | 1815 | 1.2 | 4 | TU | 1230 | 4.5 | 1 4 |
| LU | 2355 | 5.3 | 1 6 | MA | 1935 | 1.6 | 5 |
| 5 | 0715 | 1.4 | 4 | 20 | 0055 | 4.8 | 1 5 |
| | 1220 | 4.6 | 1 4 | | 0825 | 1.5 | 5 |
| TU | 1915 | 1.2 | 4 | WE | 1325 | 4.3 | 1 3 |
| MA | | | | ME | 2025 | 1.7 | 5 |
| 6 | 0045 | 5.2 | 1 6 | 21 | 0150 | 4.5 | 1 4 |
| | 0805 | 1.2 | 4 | | 0905 | 1.6 | 5 |
| WE | 1320 | 4.6 | 1 4 | TH | 1425 | 4.3 | 1 3 |
| ME | 2010 | 1.3 | 4 | JE | 2120 | 1.9 | 6 |
| 7 | 0145 | 5.2 | 1 6 | 22 | 0250 | 4.4 | 1 3 |
| | 0900 | 1.1 | 3 | | 0950 | 1.6 | 5 |
| TH | 1425 | 4.7 | 1 4 | FR | 1530 | 4.4 | 1 3 |
| JE | 2110 | 1.3 | 4 | VE | 2215 | 1.9 | 6 |
| 8 | 0250 | 5.1 | 1 6 | 23 | 0350 | 4.4 | 1 3 |
| | 0950 | .9 | 3 | | 1035 | 1.5 | 5 |
| FR | 1530 | 4.9 | 1 5 | SA | 1630 | 4.6 | 1 4 |
| VE | 2215 | 1.3 | 4 | SA | 2310 | 1.8 | 5 |
| 9 | 0355 | 5.2 | 1 6 | 24 | 0445 | 4.4 | 1 3 |
| | 1050 | .8 | 2 | | 1120 | 1.4 | 4 |
| SA | 1635 | 5.2 | 1 6 | SU | 1720 | 4.8 | 1 5 |
| SA | 2320 | 1.2 | 4 | DI | | | |
| 10 | 0450 | 5.3 | 1 6 | 25 | 0000 | 1.7 | 5 |
| | 1145 | .6 | 2 | | 0535 | 4.5 | 1 4 |
| SU | 1730 | 5.6 | 1 7 | MO | 1205 | 1.3 | 4 |
| DI | | | | LU | 1810 | 5.1 | 1 6 |
| 11 | 0025 | 1.0 | 3 | 26 | 0045 | 1.6 | 5 |
| | 0550 | 5.4 | 1 6 | | 0625 | 4.6 | 1 4 |
| MO | 1235 | .5 | 2 | TU | 1245 | 1.1 | 3 |
| LU | 1825 | 5.9 | 1 8 | MA | 1855 | 5.3 | 1 6 |
| 12 | 0120 | .9 | 3 | 27 | 0130 | 1.5 | 5 |
| | 0640 | 5.4 | 1 6 | | 0710 | 4.7 | 1 4 |
| TU | 1330 | .4 | 1 | WE | 1330 | .9 | 3 |
| MA | 1920 | 6.1 | 1 9 | ME | 1940 | 5.5 | 1 7 |
| 13 | 0210 | .9 | 3 | 28 | 0210 | 1.4 | 4 |
| | 0735 | 5.4 | 1 6 | | 0750 | 4.8 | 1 5 |
| WE | 1415 | .3 | 1 | TH | 1410 | .8 | 2 |
| ME | 2010 | 6.3 | 1 9 | JE | 2020 | 5.6 | 1 7 |
| 14 | 0305 | .9 | 3 | 29 | 0250 | 1.4 | 4 |
| | 0830 | 5.4 | 1 6 | | 0830 | 4.9 | 1 5 |
| TH | 1505 | .4 | 1 | FR | 1450 | .7 | 2 |
| JE | 2100 | 6.2 | 1 9 | VE | 2055 | 5.7 | 1 7 |
| 15 | 0400 | 1.0 | 3 | 30 | 0330 | 1.3 | 4 |
| | 0920 | 5.3 | 1 6 | | 0910 | 4.9 | 1 5 |
| FR | 1555 | .6 | 2 | SA | 1530 | .7 | 2 |
| VE | 2150 | 6.1 | 1 9 | SA | 2135 | 5.8 | 1 8 |
| | | | | 31 | 0415 | 1.3 | 4 |
| | | | | | 0950 | 4.9 | 1 5 |
| | | | | SU | 1610 | .7 | 2 |
| | | | | DI | 2210 | 5.8 | 1 8 |

# NORTH SYDNEY (AST 2 + 4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0225 | **3.1** | 9 | | | **16** | 0315 | **3.3** | | 1 | 0 |
| | 0825 | **1.7** | 5 | | | | 0840 | **1.8** | | | 5 |
| SU | 1435 | **3.4** | 1 | 0 | | MO | 1520 | **3.9** | | 1 | 2 |
| DI | 2115 | **1.6** | 5 | | | LU | 2155 | **1.3** | | | 4 |
| 2 | 0340 | **3.0** | 9 | | | **17** | 0435 | **3.2** | | 1 | 0 |
| | 0915 | **1.9** | 6 | | | | 0940 | **2.0** | | | 6 |
| MO | 1530 | **3.4** | 1 | 0 | | TU | 1625 | **3.9** | | 1 | 2 |
| LU | 2220 | **1.6** | 5 | | | MA | 2310 | **1.2** | | | 4 |
| 3 | 0450 | **3.1** | 9 | | | **18** | 0545 | **3.3** | | 1 | 0 |
| | 1005 | **2.0** | 6 | | | | 1050 | **2.1** | | | 6 |
| TU | 1625 | **3.6** | 1 | 1 | | WE | 1730 | **4.0** | | 1 | 2 |
| MA | 2320 | **1.4** | 4 | | | ME | | | | | |
| 4 | 0550 | **3.1** | 9 | | | **19** | 0020 | **1.1** | | | 3 |
| | 1100 | **2.0** | 6 | | | | 0650 | **3.4** | | 1 | 0 |
| WE | 1725 | **3.8** | 1 | 2 | | TH | 1155 | **2.1** | | | 6 |
| ME | | | | | | JE | 1830 | **4.2** | | 1 | 3 |
| 5 | 0015 | **1.2** | 4 | | | **20** | 0115 | **1.0** | | | 3 |
| | 0645 | **3.3** | 1 | 0 | | | 0740 | **3.5** | | 1 | 1 |
| TH | 1155 | **1.9** | 6 | | | FR | 1255 | **1.9** | | | 6 |
| JE | 1815 | **4.0** | 1 | 2 | | VE | 1920 | **4.4** | | 1 | 3 |
| 6 | 0105 | **1.0** | 3 | | | **21** | 0205 | **.9** | | | 3 |
| | 0735 | **3.4** | 1 | 0 | | | 0825 | **3.6** | | 1 | 1 |
| FR | 1245 | **1.8** | 5 | | | SA | 1345 | **1.8** | | | 5 |
| VE | 1905 | **4.2** | 1 | 3 | | SA | 2005 | **4.5** | | 1 | 4 |
| 7 | 0150 | **.8** | 2 | | | **22** | 0245 | **.8** | | | 2 |
| | 0820 | **3.6** | 1 | 1 | | | 0905 | **3.7** | | 1 | 1 |
| SA | 1335 | **1.7** | 5 | | | SU | 1430 | **1.6** | | | |
| SA | 1950 | **4.4** | 1 | 3 | | DI | 2045 | **4.5** | | 1 | 4 |
| 8 | 0235 | **.8** | 2 | | | **23** | 0325 | **.7** | | | 2 |
| | 0900 | **3.7** | 1 | 1 | | | 0940 | **3.7** | | 1 | 1 |
| SU | 1425 | **1.5** | 5 | | | MO | 1510 | **1.5** | | | 5 |
| DI | 2035 | **4.6** | 1 | 4 | | LU | 2125 | **4.4** | | 1 | 3 |
| 9 | 0315 | **.5** | 2 | | | **24** | 0400 | **.8** | | | 2 |
| | 0940 | **3.8** | 1 | 2 | | | 1015 | **3.7** | | 1 | 1 |
| MO | 1510 | **1.3** | 4 | | | TU | 1545 | **1.4** | | | 4 |
| LU | 2120 | **4.6** | 1 | 4 | | MA | 2155 | **4.2** | | 1 | 3 |
| 10 | 0400 | **.4** | 1 | | | **25** | 0430 | **.8** | | | 2 |
| | 1025 | **3.9** | 1 | 2 | | | 1045 | **3.6** | | 1 | 1 |
| TU | 1555 | **1.2** | 4 | | | WE | 1620 | **1.3** | | | 4 |
| MA | 2205 | **4.5** | 1 | 4 | | ME | 2230 | **4.0** | | 1 | 2 |
| 11 | 0440 | **.5** | 2 | | | **26** | 0500 | **1.0** | | | 3 |
| | 1105 | **3.9** | 1 | 2 | | | 1115 | **3.6** | | 1 | 1 |
| WE | 1645 | **1.2** | 4 | | | TH | 1700 | **1.3** | | | 4 |
| ME | 2255 | **4.3** | 1 | 3 | | JE | 2305 | **3.8** | | 1 | 2 |
| 12 | 0525 | **.6** | 2 | | | **27** | 0535 | **1.1** | | | 3 |
| | 1150 | **4.0** | 1 | 2 | | | 1140 | **3.5** | | 1 | 1 |
| TH | 1735 | **1.2** | 4 | | | FR | 1740 | **1.3** | | | 4 |
| JE | 2350 | **4.0** | 1 | 2 | | VE | 2340 | **3.5** | | 1 | 1 |
| 13 | 0610 | **.9** | 3 | | | **28** | 0605 | **1.3** | | | 4 |
| | 1235 | **3.9** | 1 | 2 | | | 1205 | **3.5** | | 1 | 1 |
| FR | 1830 | **1.2** | 4 | | | SA | 1820 | **1.5** | | | 4 |
| VE | | | | | | SA | | | | | |
| 14 | 0050 | **3.7** | 1 | 1 | | **29** | 0025 | **3.2** | | 1 | 0 |
| | 0655 | **1.2** | 4 | | | | 0635 | **1.5** | | | 5 |
| SA | 1325 | **3.9** | 1 | 2 | | SU | 1240 | **3.5** | | 1 | 1 |
| SA | 1930 | **1.3** | 4 | | | DI | 1910 | **1.4** | | | 4 |
| 15 | 0200 | **3.5** | 1 | 1 | | **30** | 0120 | **3.0** | | | 9 |
| | 0745 | **1.5** | 5 | | | | 0710 | **1.7** | | | 5 |
| SU | 1420 | **3.6** | 1 | 2 | | MO | 1325 | **3.4** | | 1 | 0 |
| DI | 2040 | **1.3** | 4 | | | LU | 2015 | **1.5** | | | 5 |
| | | | | | | **31** | 0230 | **2.8** | | | 9 |
| | | | | | | | 0800 | **1.9** | | | 6 |
| | | | | | | TU | 1420 | **3.4** | | 1 | 0 |
| | | | | | | MA | 2125 | **1.5** | | | 5 |

### FEBRUARY-FEVRIER

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0355 | **2.8** | 9 | | | **16** | 0540 | **3.0** | | | 9 |
| | 0900 | **2.0** | 6 | | | | 1030 | **2.1** | | | 6 |
| WE | 1530 | **3.5** | 1 | 1 | | TH | 1720 | **3.8** | | 1 | 2 |
| ME | 2245 | **1.4** | 4 | | | JE | | | | | |
| 2 | 0520 | **2.8** | 9 | | | **17** | 0020 | **1.2** | | | 4 |
| | 1010 | **2.0** | 6 | | | | 0640 | **3.2** | | 1 | 0 |
| TH | 1645 | **3.6** | 1 | 1 | | FR | 1150 | **2.0** | | | 6 |
| JE | 2355 | **1.3** | 4 | | | VE | 1820 | **3.9** | | 1 | 2 |
| 3 | 0625 | **3.0** | 9 | | | **18** | 0110 | **1.0** | | | 3 |
| | 1125 | **2.0** | 6 | | | | 0725 | **3.3** | | 1 | 0 |
| FR | 1750 | **3.9** | 1 | 2 | | SA | 1250 | **1.8** | | | 5 |
| VE | | | | | | SA | 1910 | **4.1** | | 1 | 2 |
| 4 | 0050 | **1.0** | 3 | | | **19** | 0150 | **.9** | | | 3 |
| | 0715 | **3.3** | 1 | 0 | | | 0805 | **3.5** | | 1 | 1 |
| SA | 1230 | **1.8** | 5 | | | SU | 1335 | **1.6** | | | 5 |
| SA | 1845 | **4.2** | 1 | 3 | | DI | 1950 | **4.2** | | 1 | 3 |
| 5 | 0135 | **.7** | 2 | | | **20** | 0225 | **.8** | | | 2 |
| | 0800 | **3.5** | 1 | 1 | | | 0840 | **3.6** | | 1 | 1 |
| SU | 1325 | **1.6** | 5 | | | MO | 1415 | **1.4** | | | 4 |
| DI | 1935 | **4.4** | 1 | 3 | | LU | 2030 | **4.2** | | 1 | 3 |
| 6 | 0215 | **.5** | 2 | | | **21** | 0255 | **.8** | | | 2 |
| | 0840 | **3.8** | 1 | 2 | | | 0910 | **3.7** | | 1 | 1 |
| MO | 1410 | **1.2** | 4 | | | TU | 1450 | **1.1** | | | 3 |
| LU | 2020 | **4.6** | 1 | 4 | | MA | 2105 | **4.1** | | 1 | 2 |
| 7 | 0255 | **.3** | 1 | | | **22** | 0325 | **.7** | | | 2 |
| | 0920 | **4.0** | 1 | 2 | | | 0940 | **3.7** | | 1 | 1 |
| TU | 1455 | **1.0** | 3 | | | WE | 1525 | **1.0** | | | 3 |
| MA | 2105 | **4.6** | 1 | 4 | | ME | 2135 | **4.0** | | 1 | 2 |
| 8 | 0335 | **.3** | 1 | | | **23** | 0355 | **.8** | | | 2 |
| | 1000 | **4.1** | 1 | 2 | | | 1005 | **3.7** | | 1 | 1 |
| WE | 1540 | **.8** | 2 | | | TH | 1555 | **.9** | | | 3 |
| ME | 2155 | **4.5** | 1 | 4 | | JE | 2210 | **3.8** | | 1 | 2 |
| 9 | 0415 | **.4** | 1 | | | **24** | 0420 | **.9** | | | 3 |
| | 1035 | **4.2** | 1 | 3 | | | 1025 | **3.7** | | 1 | 1 |
| TH | 1630 | **.7** | 2 | | | FR | 1630 | **.8** | | | 2 |
| JE | 2245 | **4.3** | 1 | 3 | | VE | 2240 | **3.6** | | 1 | 1 |
| 10 | 0455 | **.6** | 2 | | | **25** | 0450 | **1.1** | | | 3 |
| | 1115 | **4.2** | 1 | 3 | | | 1050 | **3.6** | | 1 | 1 |
| FR | 1715 | **.7** | 2 | | | SA | 1705 | **.9** | | | 3 |
| VE | 2335 | **4.0** | 1 | 2 | | SA | 2315 | **3.4** | | 1 | 0 |
| 11 | 0540 | **.9** | 3 | | | **26** | 0515 | **1.2** | | | 4 |
| | 1200 | **4.1** | 1 | 2 | | | 1115 | **3.6** | | 1 | 1 |
| SA | 1810 | **.8** | 2 | | | SU | 1745 | **1.0** | | | 3 |
| SA | | | | | | DI | 2350 | **3.1** | | | 9 |
| 12 | 0035 | **3.6** | 1 | 1 | | **27** | 0545 | **1.4** | | | 4 |
| | 0620 | **1.3** | 4 | | | | 1150 | **3.5** | | 1 | 1 |
| SU | 1245 | **3.9** | 1 | 2 | | MO | 1830 | **1.1** | | | 3 |
| DI | 1910 | **1.0** | 3 | | | LU | | | | | |
| 13 | 0145 | **3.3** | 1 | 0 | | **28** | 0040 | **2.9** | | | 9 |
| | 0710 | **1.6** | 5 | | | | 0615 | **1.8** | | | 5 |
| MO | 1340 | **3.8** | 1 | 2 | | TU | 1230 | **3.5** | | 1 | 1 |
| LU | 2020 | **1.2** | 4 | | | MA | 1930 | **1.3** | | | 4 |
| 14 | 0305 | **3.0** | 9 | | | | | | | | |
| | 0805 | **1.8** | 6 | | | | | | | | |
| TU | 1450 | **3.7** | 1 | 1 | | | | | | | |
| MA | 2135 | **1.3** | 4 | | | | | | | | |
| 15 | 0420 | **3.0** | 9 | | | | | | | | |
| | 0910 | **2.1** | 6 | | | | | | | | |
| WE | 1610 | **3.7** | 1 | 1 | | | | | | | |
| ME | 2305 | **1.3** | 4 | | | | | | | | |

### MARCH-MARS

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0145 | **2.6** | 8 | | | **16** | 0405 | **2.8** | | | 9 |
| | 0655 | **1.7** | 5 | | | | 0850 | **2.0** | | | 6 |
| WE | 1330 | **3.4** | 1 | 0 | | TH | 1555 | **3.4** | | 1 | 0 |
| ME | 2045 | **1.4** | 4 | | | JE | 2255 | **1.3** | | | 4 |
| 2 | 0315 | **2.6** | 8 | | | **17** | 0520 | **2.8** | | | 9 |
| | 0800 | **1.9** | 6 | | | | 1020 | **2.0** | | | 6 |
| TH | 1450 | **3.4** | 1 | 0 | | FR | 1710 | **3.5** | | 1 | 1 |
| JE | 2205 | **1.4** | 4 | | | VE | | | | | |
| 3 | 0445 | **2.6** | 8 | | | **18** | 0005 | **1.2** | | | 4 |
| | 0935 | **2.0** | 6 | | | | 0615 | **3.0** | | | 9 |
| FR | 1615 | **3.5** | 1 | 1 | | SA | 1145 | **1.8** | | | 5 |
| VE | 2325 | **1.2** | 4 | | | SA | 1805 | **3.6** | | 1 | 1 |
| 4 | 0555 | **2.9** | 9 | | | **19** | 0045 | **1.1** | | | 3 |
| | 1105 | **1.8** | 5 | | | | 0700 | **3.2** | | 1 | 0 |
| SA | 1725 | **3.7** | 1 | 1 | | SU | 1235 | **1.6** | | | 5 |
| SA | | | | | | DI | 1850 | **3.7** | | 1 | 1 |
| 5 | 0020 | **.9** | 3 | | | **20** | 0120 | **1.0** | | | 3 |
| | 0650 | **3.2** | 1 | 0 | | | 0735 | **3.4** | | 1 | 0 |
| SU | 1215 | **1.6** | 5 | | | MO | 1315 | **1.3** | | | 4 |
| DI | 1825 | **4.0** | 1 | 2 | | LU | 1930 | **3.8** | | 1 | 2 |
| 6 | 0105 | **.6** | 2 | | | **21** | 0150 | **.9** | | | 3 |
| | 0730 | **3.6** | 1 | 1 | | | 0805 | **3.5** | | 1 | 1 |
| MO | 1305 | **1.2** | 4 | | | TU | 1350 | **1.0** | | | 3 |
| LU | 1920 | **4.2** | 1 | 3 | | MA | 2010 | **3.9** | | 1 | 2 |
| 7 | 0145 | **.4** | 1 | | | **22** | 0220 | **.8** | | | 2 |
| | 0810 | **3.9** | 1 | 2 | | | 0835 | **3.6** | | 1 | 1 |
| TU | 1355 | **.8** | 2 | | | WE | 1425 | **.8** | | | 2 |
| MA | 2005 | **4.4** | 1 | 3 | | ME | 2045 | **3.8** | | 1 | 2 |
| 8 | 0225 | **.3** | 1 | | | **23** | 0250 | **.8** | | | 2 |
| | 0850 | **4.1** | 1 | 2 | | | 0900 | **3.7** | | 1 | 1 |
| WE | 1440 | **.5** | 2 | | | TH | 1500 | **.8** | | | 2 |
| ME | 2055 | **4.4** | 1 | 3 | | JE | 2115 | **3.8** | | 1 | 2 |
| 9 | 0305 | **.3** | 1 | | | **24** | 0315 | **.9** | | | 3 |
| | 0925 | **4.3** | 1 | 3 | | | 0925 | **3.7** | | 1 | 1 |
| TH | 1525 | **.3** | 1 | | | FR | 1530 | **.5** | | | 2 |
| JE | 2140 | **4.3** | 1 | 3 | | VE | 2150 | **3.8** | | 1 | 1 |
| 10 | 0345 | **.5** | 2 | | | **25** | 0345 | **1.0** | | | 3 |
| | 1005 | **4.3** | 1 | 3 | | | 0945 | **3.7** | | 1 | 1 |
| FR | 1610 | **.2** | 1 | | | SA | 1605 | **.5** | | | 2 |
| VE | 2230 | **4.1** | 1 | 2 | | SA | 2220 | **3.4** | | 1 | 0 |
| 11 | 0430 | **.7** | 2 | | | **26** | 0410 | **1.1** | | | 3 |
| | 1045 | **4.2** | 1 | 3 | | | 1010 | **3.7** | | 1 | 1 |
| SA | 1700 | **.3** | 1 | | | SU | 1640 | **.8** | | | 2 |
| SA | 2325 | **3.8** | 1 | 2 | | DI | 2255 | **3.2** | | 1 | 0 |
| 12 | 0510 | **1.1** | 3 | | | **27** | 0440 | **1.2** | | | 4 |
| | 1125 | **4.1** | 1 | 2 | | | 1040 | **3.6** | | 1 | 1 |
| SU | 1755 | **.5** | 2 | | | MO | 1720 | **.7** | | | 2 |
| DI | | | | | | LU | 2330 | **3.0** | | | 9 |
| 13 | 0025 | **3.4** | 1 | 0 | | **28** | 0505 | **1.3** | | | 4 |
| | 0555 | **1.4** | 4 | | | | 1115 | **3.6** | | 1 | 1 |
| MO | 1215 | **3.9** | 1 | 2 | | TU | 1805 | **.9** | | | 3 |
| LU | 1855 | **.8** | 2 | | | MA | | | | | |
| 14 | 0135 | **3.1** | 9 | | | **29** | 0020 | **2.7** | | | 8 |
| | 0645 | **1.7** | 5 | | | | 0540 | **1.5** | | | 5 |
| TU | 1315 | **3.7** | 1 | 1 | | WE | 1200 | **3.4** | | 1 | 0 |
| MA | 2000 | **1.0** | 3 | | | ME | 1905 | **1.1** | | | 3 |
| 15 | 0250 | **2.9** | 9 | | | **30** | 0125 | **2.8** | | | 8 |
| | 0740 | **1.9** | 6 | | | | 0630 | **1.6** | | | 5 |
| WE | 1435 | **3.5** | 1 | 1 | | TH | 1300 | **3.3** | | 1 | 0 |
| ME | 2125 | **1.2** | 4 | | | JE | 2015 | **1.2** | | | 4 |
| | | | | | | **31** | 0250 | **2.5** | | | 8 |
| | | | | | | | 0740 | **1.6** | | | 5 |
| | | | | | | FR | 1425 | **3.3** | | 1 | 0 |
| | | | | | | VE | 2130 | **1.1** | | | 3 |

## TABLE DES MARÉES

# NORTH SYDNEY (HNA 2-4)

1989

### APRIL-AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0415 | 2.7 | 8 | 16 | 0535 | 2.9 | 9 |
| | 0920 | 1.5 | 5 | | 1120 | 1.6 | 5 |
| SA | 1550 | 3.3 | 1 0 | SU | 1740 | 3.3 | 1 0 |
| SA | 2245 | 1.0 | 3 | DI | | | |
| 2 | 0520 | 2.9 | 9 | 17 | 0000 | 1.1 | 3 |
| | 1050 | 1.6 | 5 | | 0615 | 3.1 | 9 |
| SU | 1705 | 3.5 | 1 1 | MO | 1210 | 1.3 | 4 |
| DI | 2340 | .8 | 2 | LU | 1825 | 3.4 | 1 0 |
| 3 | 0610 | 3.3 | 1 0 | 18 | 0035 | 1.1 | 3 |
| | 1155 | 1.2 | 4 | | 0655 | 3.3 | 1 0 |
| MO | 1805 | 3.6 | 1 2 | TU | 1250 | 1.0 | 3 |
| LU | | | | MA | 1905 | 3.5 | 1 1 |
| 4 | 0030 | .8 | 2 | 19 | 0105 | 1.0 | 3 |
| | 0655 | 3.6 | 1 1 | | 0725 | 3.4 | 1 0 |
| TU | 1245 | .8 | 2 | WE | 1325 | .7 | 2 |
| MA | 1900 | 4.0 | 1 2 | ME | 1945 | 3.6 | 1 1 |
| 5 | 0110 | .5 | 2 | 20 | 0140 | 1.0 | 3 |
| | 0735 | 3.9 | 1 2 | | 0755 | 3.5 | 1 1 |
| WE | 1335 | .4 | 1 | TH | 1400 | .5 | 2 |
| ME | 1950 | 4.1 | 1 2 | JE | 2025 | 3.6 | 1 1 |
| 6 | 0155 | .5 | 2 | 21 | 0210 | 1.0 | 3 |
| | 0815 | 4.2 | 1 3 | | 0820 | 3.6 | 1 1 |
| TH | 1420 | .1 | 0 | FR | 1435 | .4 | 1 |
| JE | 2040 | 4.2 | 1 3 | VE | 2100 | 3.5 | 1 1 |
| 7 | 0235 | .6 | 2 | 22 | 0240 | 1.0 | 3 |
| | 0855 | 4.3 | 1 3 | | 0845 | 3.7 | 1 1 |
| FR | 1505 | .0 | 0 | SA | 1510 | .3 | 1 |
| VE | 2130 | 4.1 | 1 2 | SA | 2135 | 3.4 | 1 0 |
| 8 | 0320 | .7 | 2 | 23 | 0310 | 1.1 | 3 |
| | 0935 | 4.3 | 1 3 | | 0915 | 3.7 | 1 1 |
| SA | 1555 | −.1 | 0 | SU | 1545 | .3 | 1 |
| SA | 2225 | 3.9 | 1 2 | DI | 2205 | 3.3 | 1 0 |
| 9 | 0405 | .9 | 3 | 24 | 0340 | 1.2 | 4 |
| | 1015 | 4.2 | 1 3 | | 0940 | 3.7 | 1 1 |
| SU | 1645 | .1 | 0 | MO | 1620 | .4 | 1 |
| DI | 2320 | 3.6 | 1 1 | LU | 2245 | 3.1 | 9 |
| 10 | 0450 | 1.2 | 4 | 25 | 0410 | 1.2 | 4 |
| | 1100 | 4.0 | 1 2 | | 1015 | 3.7 | 1 1 |
| MO | 1740 | .3 | 1 | TU | 1705 | .6 | 2 |
| LU | | | | MA | 2325 | 2.9 | 9 |
| 11 | 0015 | 3.3 | 1 0 | 26 | 0445 | 1.3 | 4 |
| | 0535 | 1.4 | 4 | | 1055 | 3.6 | 1 1 |
| TU | 1155 | 3.8 | 1 2 | WE | 1755 | .7 | 2 |
| MA | 1840 | .6 | 2 | ME | | | |
| 12 | 0120 | 3.0 | 9 | 27 | 0015 | 2.7 | 8 |
| | 0625 | 1.6 | 5 | | 0530 | 1.4 | 4 |
| WE | 1300 | 3.5 | 1 1 | TH | 1145 | 3.4 | 1 0 |
| ME | 1945 | .9 | 3 | JE | 1850 | .8 | 2 |
| 13 | 0225 | 2.8 | 9 | 28 | 0120 | 2.6 | 8 |
| | 0725 | 1.8 | 5 | | 0625 | 1.5 | 5 |
| TH | 1415 | 3.3 | 1 0 | FR | 1250 | 3.3 | 1 0 |
| JE | 2100 | 1.1 | 3 | VE | 1950 | .9 | 3 |
| 14 | 0335 | 2.7 | 8 | 29 | 0230 | 2.7 | 8 |
| | 0835 | 1.9 | 6 | | 0740 | 1.6 | 5 |
| FR | 1535 | 3.2 | 1 0 | SA | 1410 | 3.2 | 1 0 |
| VE | 2215 | 1.2 | 4 | SA | 2055 | .9 | 3 |
| 15 | 0440 | 2.7 | 8 | 30 | 0335 | 2.6 | 8 |
| | 1000 | 1.8 | 5 | | 0905 | 1.5 | 5 |
| SA | 1645 | 3.2 | 1 0 | SU | 1530 | 3.2 | 1 0 |
| SA | 2315 | 1.2 | 4 | DI | 2200 | .9 | 3 |

### MAY-MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0435 | 3.1 | 9 | 16 | 0520 | 3.0 | 9 |
| | 1025 | 1.3 | 4 | | 1130 | 1.1 | 3 |
| MO | 1640 | 3.3 | 1 0 | TU | 1750 | 3.1 | 9 |
| LU | 2255 | .8 | 2 | MA | 2340 | 1.2 | 4 |
| 2 | 0530 | 3.4 | 1 0 | 17 | 0605 | 3.2 | 1 0 |
| | 1130 | 1.0 | 3 | | 1215 | .9 | 3 |
| TU | 1745 | 3.5 | 1 1 | WE | 1840 | 3.2 | 1 0 |
| MA | 2350 | .8 | 2 | ME | | | |
| 3 | 0615 | 3.7 | 1 1 | 18 | 0020 | 1.2 | 4 |
| | 1225 | .6 | 2 | | 0640 | 3.3 | 1 0 |
| WE | 1845 | 3.7 | 1 1 | TH | 1255 | .7 | 2 |
| ME | | | | JE | 1920 | 3.3 | 1 0 |
| 4 | 0035 | .8 | 2 | 19 | 0100 | 1.2 | 4 |
| | 0700 | 3.9 | 1 2 | | 0715 | 3.5 | 1 1 |
| TH | 1315 | .2 | 1 | FR | 1335 | .5 | 2 |
| JE | 1935 | 3.8 | 1 2 | VE | 2005 | 3.3 | 1 0 |
| 5 | 0125 | .8 | 2 | 20 | 0135 | 1.2 | 4 |
| | 0745 | 4.1 | 1 2 | | 0745 | 3.6 | 1 1 |
| FR | 1400 | .0 | 0 | SA | 1410 | .4 | 1 |
| VE | 2030 | 3.9 | 1 2 | SA | 2040 | 3.3 | 1 0 |
| 6 | 0210 | .9 | 3 | 21 | 0210 | 1.2 | 4 |
| | 0830 | 4.3 | 1 3 | | 0815 | 3.7 | 1 1 |
| SA | 1450 | −.1 | 0 | SU | 1450 | .3 | 1 |
| SA | 2120 | 3.8 | 1 2 | DI | 2120 | 3.2 | 1 0 |
| 7 | 0255 | 1.0 | 3 | 22 | 0245 | 1.2 | 4 |
| | 0910 | 4.3 | 1 3 | | 0850 | 3.6 | 1 2 |
| SU | 1540 | −.1 | 0 | MO | 1530 | .3 | 1 |
| DI | 2215 | 3.7 | 1 1 | LU | 2155 | 3.1 | 9 |
| 8 | 0345 | 1.1 | 3 | 23 | 0320 | 1.2 | 4 |
| | 1000 | 4.2 | 1 3 | | 0925 | 3.6 | 1 2 |
| MO | 1635 | .1 | 0 | TU | 1610 | .4 | 1 |
| LU | 2310 | 3.4 | 1 0 | MA | 2235 | 3.0 | 9 |
| 9 | 0430 | 1.2 | 4 | 24 | 0355 | 1.2 | 4 |
| | 1045 | 4.0 | 1 2 | | 1005 | 3.6 | 1 2 |
| TU | 1730 | .3 | 1 | WE | 1655 | .4 | 1 |
| MA | | | | ME | 2320 | 2.9 | 9 |
| 10 | 0000 | 3.2 | 1 0 | 25 | 0440 | 1.2 | 4 |
| | 0520 | 1.4 | 4 | | 1050 | 3.7 | 1 1 |
| WE | 1140 | 3.8 | 1 2 | TH | 1745 | .5 | 2 |
| ME | 1825 | .6 | 2 | JE | | | |
| 11 | 0100 | 2.9 | 9 | 26 | 0010 | 2.9 | 9 |
| | 0605 | 1.5 | 5 | | 0530 | 1.2 | 4 |
| TH | 1240 | 3.5 | 1 1 | FR | 1140 | 3.5 | 1 1 |
| JE | 1925 | .8 | 2 | VE | 1830 | .6 | 2 |
| 12 | 0155 | 2.8 | 9 | 27 | 0105 | 2.9 | 9 |
| | 0700 | 1.6 | 5 | | 0625 | 1.3 | 4 |
| FR | 1350 | 3.2 | 1 0 | SA | 1240 | 3.3 | 1 0 |
| VE | 2020 | 1.0 | 3 | SA | 1925 | .6 | 2 |
| 13 | 0250 | 2.7 | 8 | 28 | 0200 | 3.0 | 9 |
| | 0805 | 1.6 | 5 | | 0730 | 1.3 | 4 |
| SA | 1500 | 3.0 | 9 | SU | 1355 | 3.2 | 1 0 |
| SA | 2120 | 1.2 | 4 | DI | 2020 | .9 | 2 |
| 14 | 0345 | 2.7 | 8 | 29 | 0300 | 3.1 | 9 |
| | 0925 | 1.6 | 5 | | 0845 | 1.2 | 4 |
| SU | 1600 | 3.0 | 9 | MO | 1505 | 3.1 | 9 |
| DI | 2210 | 1.2 | 4 | LU | 2120 | .9 | 3 |
| 15 | 0435 | 2.9 | 9 | 30 | 0355 | 3.3 | 1 0 |
| | 1035 | 1.4 | 4 | | 1000 | 1.1 | 3 |
| MO | 1700 | 3.0 | 9 | TU | 1620 | 3.1 | 9 |
| LU | 2255 | 1.2 | 4 | MA | 2215 | 1.0 | 3 |
| | | | | 31 | 0450 | 3.5 | 1 1 |
| | | | | | 1105 | .8 | 2 |
| | | | | WE | 1725 | 3.3 | 1 0 |
| | | | | ME | 2310 | 1.0 | 3 |

### JUNE-JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0540 | 3.7 | 1 1 | 16 | 0555 | 3.3 | 1 0 |
| | 1200 | .5 | 2 | | 1225 | .8 | 2 |
| TH | 1830 | 3.4 | 1 0 | FR | 1855 | 3.0 | 9 |
| JE | | | | VE | | | |
| 2 | 0005 | 1.1 | 3 | 17 | 0020 | 1.4 | 4 |
| | 0630 | 3.9 | 1 2 | | 0635 | 3.4 | 1 0 |
| FR | 1255 | .3 | 1 | SA | 1310 | .6 | 2 |
| VE | 1925 | 3.5 | 1 1 | SA | 1940 | 3.1 | 9 |
| 3 | 0055 | 1.2 | 4 | 18 | 0100 | 1.4 | 4 |
| | 0720 | 4.1 | 1 2 | | 0715 | 3.6 | 1 1 |
| SA | 1350 | .1 | 0 | SU | 1355 | .5 | 2 |
| SA | 2020 | 3.6 | 1 1 | DI | 2025 | 3.1 | 9 |
| 4 | 0145 | 1.2 | 4 | 19 | 0140 | 1.3 | 4 |
| | 0810 | 4.2 | 1 3 | | 0755 | 3.8 | 1 2 |
| SU | 1440 | .0 | 0 | MO | 1435 | .4 | 1 |
| DI | 2115 | 3.6 | 1 1 | LU | 2100 | 3.1 | 9 |
| 5 | 0240 | 1.2 | 4 | 20 | 0220 | 1.2 | 4 |
| | 0855 | 4.3 | 1 3 | | 0830 | 3.9 | 1 2 |
| MO | 1535 | .1 | 0 | TU | 1520 | .3 | 1 |
| LU | 2205 | 3.5 | 1 1 | MA | 2140 | 3.1 | 9 |
| 6 | 0325 | 1.2 | 4 | 21 | 0305 | 1.1 | 3 |
| | 0945 | 4.2 | 1 3 | | 0910 | 4.0 | 1 2 |
| TU | 1625 | .2 | 1 | WE | 1600 | .3 | 1 |
| MA | 2250 | 3.3 | 1 0 | ME | 2220 | 3.2 | 1 0 |
| 7 | 0415 | 1.2 | 4 | 22 | 0345 | 1.0 | 3 |
| | 1030 | 4.0 | 1 2 | | 0955 | 3.9 | 1 2 |
| WE | 1715 | .4 | 1 | TH | 1640 | .3 | 1 |
| ME | 2340 | 3.1 | 9 | JE | 2305 | 3.2 | 1 0 |
| 8 | 0500 | 1.3 | 4 | 23 | 0430 | 1.0 | 3 |
| | 1120 | 3.8 | 1 2 | | 1040 | 3.8 | 1 2 |
| TH | 1805 | .6 | 2 | FR | 1725 | .3 | 1 |
| JE | | | | VE | 2350 | 3.2 | 1 0 |
| 9 | 0025 | 3.0 | 9 | 24 | 0520 | 1.0 | 3 |
| | 0545 | 1.3 | 4 | | 1130 | 3.6 | 1 1 |
| FR | 1210 | 3.5 | 1 1 | SA | 1810 | .4 | 1 |
| VE | 1850 | .8 | 2 | SA | | | |
| 10 | 0115 | 2.9 | 9 | 25 | 0035 | 3.3 | 1 0 |
| | 0635 | 1.4 | 4 | | 0615 | 1.0 | 3 |
| SA | 1305 | 3.2 | 1 0 | SU | 1230 | 3.4 | 1 0 |
| SA | 1935 | 1.0 | 3 | DI | 1855 | .6 | 2 |
| 11 | 0200 | 2.8 | 9 | 26 | 0125 | 3.3 | 1 0 |
| | 0730 | 1.4 | 4 | | 0715 | 1.0 | 3 |
| SU | 1405 | 3.0 | 9 | MO | 1335 | 3.2 | 1 0 |
| DI | 2020 | 1.1 | 3 | LU | 1945 | .8 | 2 |
| 12 | 0245 | 2.8 | 9 | 27 | 0220 | 3.3 | 1 0 |
| | 0835 | 1.4 | 4 | | 0825 | 1.0 | 3 |
| MO | 1510 | 2.8 | 9 | TU | 1445 | 3.0 | 9 |
| LU | 2105 | 1.2 | 4 | MA | 2040 | 1.0 | 3 |
| 13 | 0330 | 2.9 | 9 | 28 | 0315 | 3.4 | 1 0 |
| | 0940 | 1.2 | 4 | | 0935 | .9 | 3 |
| TU | 1610 | 2.8 | 9 | WE | 1600 | 3.0 | 9 |
| MA | 2155 | 1.3 | 4 | ME | 2135 | 1.2 | 4 |
| 14 | 0420 | 3.0 | 9 | 29 | 0410 | 3.5 | 1 1 |
| | 1040 | 1.1 | 3 | | 1040 | .8 | 2 |
| WE | 1710 | 2.8 | 9 | TH | 1715 | 3.0 | 9 |
| ME | 2245 | 1.4 | 4 | JE | 2235 | 1.4 | 4 |
| 15 | 0505 | 3.1 | 9 | 30 | 0510 | 3.7 | 1 1 |
| | 1135 | .9 | 3 | | 1145 | .7 | 2 |
| TH | 1805 | 2.9 | 9 | FR | 1820 | 3.2 | 1 0 |
| JE | 2330 | 1.4 | 4 | VE | 2335 | 1.6 | 5 |

# NORTH SYDNEY (AST −4)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0610 | 3.9 | 1.2 | 16 | 0605 | 3.5 | 1.1 |
| | 1250 | .5 | .2 | | 1255 | .8 | .2 |
| SA | 1920 | 3.3 | 1.0 | SU | 1920 | 2.9 | .9 |
| SA | | | | DI | | | |
| 2 | 0035 | 1.4 | .4 | 17 | 0030 | 1.5 | .5 |
| | 0705 | 4.1 | 1.2 | | 0650 | 3.7 | 1.1 |
| SU | 1345 | .4 | .1 | MO | 1340 | .8 | .2 |
| DI | 2015 | 3.4 | 1.0 | LU | 2000 | 3.1 | .9 |
| 3 | 0130 | 1.4 | .4 | 18 | 0120 | 1.3 | .4 |
| | 0755 | 4.2 | 1.3 | | 0735 | 3.9 | 1.2 |
| MO | 1435 | .3 | .1 | TU | 1420 | .4 | .1 |
| LU | 2100 | 3.4 | 1.0 | MA | 2040 | 3.2 | 1.0 |
| 4 | 0225 | 1.3 | .4 | 19 | 0205 | 1.1 | .3 |
| | 0845 | 4.3 | 1.3 | | 0815 | 4.1 | 1.2 |
| TU | 1525 | .3 | .1 | WE | 1500 | .3 | .1 |
| MA | 2145 | 3.4 | 1.0 | ME | 2120 | 3.3 | 1.0 |
| 5 | 0310 | 1.2 | .4 | 20 | 0250 | .9 | .3 |
| | 0930 | 4.2 | 1.3 | | 0900 | 4.2 | 1.3 |
| WE | 1610 | .3 | .1 | TH | 1535 | .2 | .1 |
| ME | 2230 | 3.3 | 1.0 | JE | 2200 | 3.5 | 1.1 |
| 6 | 0355 | 1.1 | .3 | 21 | 0335 | .8 | .2 |
| | 1010 | 4.0 | 1.2 | | 0945 | 4.1 | 1.2 |
| TH | 1650 | .4 | .1 | FR | 1615 | .2 | .1 |
| JE | 2310 | 3.2 | 1.0 | VE | 2235 | 3.5 | 1.1 |
| 7 | 0435 | 1.1 | .3 | 22 | 0420 | .7 | .2 |
| | 1055 | 3.8 | 1.2 | | 1030 | 4.0 | 1.2 |
| FR | 1730 | .6 | .2 | SA | 1655 | .3 | .1 |
| VE | 2345 | 3.1 | .9 | SA | 2320 | 3.6 | 1.1 |
| 8 | 0515 | 1.1 | .3 | 23 | 0505 | .7 | .2 |
| | 1135 | 3.5 | 1.1 | | 1120 | 3.8 | 1.2 |
| SA | 1805 | .8 | .2 | SU | 1740 | .5 | .2 |
| SA | | | | DI | | | |
| 9 | 0020 | 3.1 | .9 | 24 | 0000 | 3.6 | 1.1 |
| | 0600 | 1.1 | .3 | | 0555 | .7 | .2 |
| SU | 1215 | 3.2 | 1.0 | MO | 1215 | 3.5 | 1.1 |
| DI | 1840 | 1.0 | .3 | LU | 1820 | .7 | .2 |
| 10 | 0055 | 3.0 | .9 | 25 | 0045 | 3.6 | 1.1 |
| | 0650 | 1.2 | .4 | | 0655 | .8 | .2 |
| MO | 1305 | 3.0 | .9 | TU | 1320 | 3.2 | 1.0 |
| LU | 1920 | 1.1 | .3 | MA | 1910 | 1.0 | .3 |
| 11 | 0130 | 3.0 | .9 | 26 | 0140 | 3.5 | 1.1 |
| | 0745 | 1.2 | .4 | | 0800 | .9 | .3 |
| TU | 1405 | 2.8 | .9 | WE | 1435 | 3.0 | .9 |
| MA | 2005 | 1.3 | .4 | ME | 2005 | 1.3 | .4 |
| 12 | 0215 | 3.0 | .9 | 27 | 0240 | 3.5 | 1.1 |
| | 0845 | 1.2 | .4 | | 0910 | 1.0 | .3 |
| WE | 1515 | 2.7 | .8 | TH | 1550 | 2.9 | .9 |
| ME | 2050 | 1.4 | .4 | JE | 2105 | 1.6 | .5 |
| 13 | 0310 | 3.0 | .9 | 28 | 0350 | 3.5 | 1.1 |
| | 0955 | 1.2 | .4 | | 1030 | 1.0 | .3 |
| TH | 1625 | 2.6 | .8 | FR | 1705 | 2.9 | .9 |
| JE | 2145 | 1.5 | .5 | VE | 2210 | 1.7 | .5 |
| 14 | 0410 | 3.1 | .9 | 29 | 0500 | 3.7 | 1.1 |
| | 1100 | 1.1 | .3 | | 1145 | .9 | .3 |
| FR | 1730 | 2.7 | .8 | SA | 1815 | 3.0 | .9 |
| VE | 2240 | 1.6 | .5 | SA | 2320 | 1.7 | .5 |
| 15 | 0510 | 3.3 | 1.0 | 30 | 0600 | 3.9 | 1.2 |
| | 1200 | 1.0 | .3 | | 1250 | .7 | .2 |
| SA | 1830 | 2.8 | .9 | SU | 1910 | 3.2 | 1.0 |
| SA | 2340 | 1.6 | .5 | DI | | | |
| | | | | 31 | 0025 | 1.6 | .5 |
| | | | | | 0700 | 4.1 | 1.2 |
| | | | | MO | 1340 | .6 | .2 |
| | | | | LU | 2000 | 3.3 | 1.0 |

### AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0120 | 1.4 | .4 | 16 | 0100 | 1.3 | .4 |
| | 0745 | 4.2 | 1.3 | | 0715 | 4.1 | 1.2 |
| TU | 1425 | .5 | .2 | WE | 1355 | .5 | .2 |
| MA | 2045 | 3.4 | 1.0 | ME | 2015 | 3.4 | 1.0 |
| 2 | 0210 | 1.2 | .4 | 17 | 0145 | 1.0 | .3 |
| | 0830 | 4.2 | 1.3 | | 0800 | 4.2 | 1.3 |
| WE | 1505 | .5 | .2 | TH | 1430 | .3 | .1 |
| ME | 2120 | 3.5 | 1.1 | JE | 2050 | 3.7 | 1.1 |
| 3 | 0250 | 1.1 | .3 | 18 | 0230 | .7 | .2 |
| | 0910 | 4.2 | 1.3 | | 0845 | 4.3 | 1.3 |
| TH | 1540 | .5 | .2 | FR | 1510 | .3 | .1 |
| JE | 2155 | 3.4 | 1.0 | VE | 2125 | 3.8 | 1.2 |
| 4 | 0330 | 1.0 | .3 | 19 | 0315 | .5 | .2 |
| | 0950 | 4.0 | 1.2 | | 0930 | 4.3 | 1.3 |
| FR | 1615 | .6 | .2 | SA | 1545 | .3 | .1 |
| VE | 2230 | 3.4 | 1.0 | SA | 2205 | 3.9 | 1.2 |
| 5 | 0410 | .9 | .3 | 20 | 0400 | .4 | .1 |
| | 1025 | 3.8 | 1.2 | | 1015 | 4.1 | 1.2 |
| SA | 1650 | .7 | .2 | SU | 1625 | .5 | .2 |
| SA | 2300 | 3.4 | 1.0 | DI | 2245 | 4.0 | 1.2 |
| 6 | 0445 | .9 | .3 | 21 | 0445 | .4 | .1 |
| | 1100 | 3.5 | 1.1 | | 1105 | 3.8 | 1.2 |
| SU | 1720 | .9 | .3 | MO | 1710 | .7 | .2 |
| DI | 2325 | 3.3 | 1.0 | LU | 2325 | 3.9 | 1.2 |
| 7 | 0525 | .9 | .3 | 22 | 0540 | .5 | .2 |
| | 1135 | 3.3 | 1.0 | | 1205 | 3.5 | 1.1 |
| MO | 1750 | 1.1 | .3 | TU | 1755 | 1.0 | .3 |
| LU | 2350 | 3.2 | 1.0 | MA | | | |
| 8 | 0605 | 1.0 | .3 | 23 | 0010 | 3.8 | 1.2 |
| | 1215 | 3.0 | .9 | | 0635 | .7 | .2 |
| TU | 1825 | 1.2 | .4 | WE | 1310 | 3.2 | 1.0 |
| MA | | | | ME | 1840 | 1.4 | .4 |
| 9 | 0025 | 3.2 | 1.0 | 24 | 0110 | 3.6 | 1.1 |
| | 0655 | 1.1 | .3 | | 0745 | .9 | .3 |
| WE | 1310 | 2.8 | .9 | TH | 1425 | 3.0 | .9 |
| ME | 1900 | 1.4 | .4 | JE | 1935 | 1.6 | .5 |
| 10 | 0105 | 3.1 | .9 | 25 | 0220 | 3.5 | 1.1 |
| | 0755 | 1.2 | .4 | | 0900 | 1.1 | .3 |
| TH | 1415 | 2.6 | .8 | FR | 1545 | 2.9 | .9 |
| JE | 1950 | 1.6 | .5 | VE | 2045 | 1.9 | .6 |
| 11 | 0205 | 3.1 | .9 | 26 | 0340 | 3.5 | 1.1 |
| | 0905 | 1.3 | .4 | | 1025 | 1.2 | .4 |
| FR | 1535 | 2.6 | .8 | SA | 1700 | 2.9 | .9 |
| VE | 2045 | 1.7 | .5 | SA | 2200 | 1.9 | .6 |
| 12 | 0315 | 3.2 | 1.0 | 27 | 0455 | 3.7 | 1.1 |
| | 1025 | 1.3 | .4 | | 1150 | 1.1 | .3 |
| SA | 1655 | 2.8 | .8 | SU | 1805 | 3.0 | .9 |
| SA | 2155 | 1.8 | .5 | DI | 2320 | 1.8 | .5 |
| 13 | 0430 | 3.3 | 1.0 | 28 | 0555 | 3.8 | 1.2 |
| | 1135 | 1.1 | .3 | | 1245 | 1.0 | .3 |
| SU | 1800 | 2.7 | .8 | MO | 1855 | 3.2 | 1.0 |
| DI | 2305 | 1.7 | .5 | LU | | | |
| 14 | 0535 | 3.5 | 1.1 | 29 | 0025 | 1.8 | .5 |
| | 1230 | .9 | .3 | | 0650 | 4.0 | 1.2 |
| MO | 1850 | 2.9 | .9 | TU | 1325 | .8 | .2 |
| LU | | | | MA | 1940 | 3.4 | 1.0 |
| 15 | 0010 | 1.5 | .5 | 30 | 0110 | 1.4 | .4 |
| | 0625 | 3.8 | 1.2 | | 0735 | 4.1 | 1.2 |
| TU | 1315 | .7 | .2 | WE | 1400 | .8 | .2 |
| MA | 1935 | 3.2 | 1.0 | ME | 2015 | 3.5 | 1.1 |
| | | | | 31 | 0155 | 1.2 | .4 |
| | | | | | 0815 | 4.1 | 1.2 |
| | | | | TH | 1435 | .7 | .2 |
| | | | | JE | 2050 | 3.6 | 1.1 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0230 | 1.0 | .3 | 16 | 0210 | .5 | .2 |
| | 0850 | 4.1 | 1.2 | | 0825 | 4.4 | 1.3 |
| FR | 1505 | .8 | .2 | SA | 1435 | .5 | .2 |
| VE | 2120 | 3.6 | 1.1 | SA | 2055 | 4.2 | 1.3 |
| 2 | 0305 | .8 | .2 | 17 | 0255 | .3 | .1 |
| | 0925 | 4.0 | 1.2 | | 0915 | 4.3 | 1.3 |
| SA | 1535 | .8 | .2 | SU | 1515 | .6 | .2 |
| SA | 2145 | 3.6 | 1.1 | DI | 2135 | 4.3 | 1.3 |
| 3 | 0340 | .7 | .2 | 18 | 0340 | .2 | .1 |
| | 1000 | 3.8 | 1.2 | | 1005 | 4.2 | 1.3 |
| SU | 1605 | .9 | .3 | MO | 1600 | .8 | .2 |
| DI | 2210 | 3.6 | 1.1 | LU | 2215 | 4.3 | 1.3 |
| 4 | 0415 | .7 | .2 | 19 | 0430 | .3 | .1 |
| | 1030 | 3.6 | 1.1 | | 1055 | 3.8 | 1.2 |
| MO | 1635 | 1.1 | .3 | TU | 1645 | 1.1 | .3 |
| LU | 2235 | 3.5 | 1.1 | MA | 2255 | 4.1 | 1.2 |
| 5 | 0450 | .8 | .2 | 20 | 0525 | .5 | .2 |
| | 1105 | 3.4 | 1.0 | | 1155 | 3.6 | 1.1 |
| TU | 1705 | 1.2 | .4 | WE | 1730 | 1.4 | .4 |
| MA | 2300 | 3.5 | 1.1 | ME | 2345 | 4.0 | 1.2 |
| 6 | 0530 | .9 | .3 | 21 | 0625 | .7 | .2 |
| | 1145 | 3.1 | .9 | | 1305 | 3.3 | 1.0 |
| WE | 1735 | 1.4 | .4 | TH | 1820 | 1.7 | .5 |
| ME | 2335 | 3.4 | 1.0 | JE | | | |
| 7 | 0615 | 1.1 | .3 | 22 | 0050 | 3.8 | 1.2 |
| | 1230 | 2.9 | .9 | | 0735 | 1.0 | .3 |
| TH | 1810 | 1.6 | .5 | FR | 1420 | 3.1 | .9 |
| JE | | | | VE | 1920 | 1.9 | .6 |
| 8 | 0015 | 3.3 | 1.0 | 23 | 0210 | 3.6 | 1.1 |
| | 0715 | 1.3 | .4 | | 0850 | 1.2 | .4 |
| FR | 1335 | 2.6 | .8 | SA | 1535 | 3.0 | .9 |
| VE | 1850 | 1.7 | .5 | SA | 2030 | 2.0 | .6 |
| 9 | 0115 | 3.2 | 1.0 | 24 | 0330 | 3.6 | 1.1 |
| | 0830 | 1.4 | .4 | | 1020 | 1.3 | .4 |
| SA | 1455 | 2.5 | .8 | SU | 1645 | 3.0 | .9 |
| SA | 1955 | 1.9 | .6 | DI | 2155 | 2.0 | .6 |
| 10 | 0235 | 3.2 | 1.0 | 25 | 0445 | 3.7 | 1.1 |
| | 0950 | 1.4 | .4 | | 1130 | 1.3 | .4 |
| SU | 1620 | 2.6 | .8 | MO | 1745 | 3.1 | .9 |
| DI | 2115 | 1.9 | .6 | LU | 2320 | 1.8 | .5 |
| 11 | 0400 | 3.4 | 1.0 | 26 | 0545 | 3.8 | 1.2 |
| | 1100 | 1.3 | .4 | | 1220 | 1.2 | .4 |
| MO | 1725 | 2.8 | .9 | TU | 1830 | 3.3 | 1.0 |
| LU | 2240 | 1.8 | .5 | MA | | | |
| 12 | 0505 | 3.6 | 1.1 | 27 | 0015 | 1.6 | .5 |
| | 1155 | 1.0 | .3 | | 0635 | 3.9 | 1.2 |
| TU | 1815 | 3.1 | .9 | WE | 1255 | 1.1 | .3 |
| MA | 2350 | 1.5 | .5 | ME | 1910 | 3.5 | 1.1 |
| 13 | 0605 | 3.9 | 1.2 | 28 | 0055 | 1.3 | .4 |
| | 1240 | .8 | .2 | | 0715 | 4.0 | 1.2 |
| WE | 1900 | 3.4 | 1.0 | TH | 1325 | 1.1 | .3 |
| ME | | | | JE | 1940 | 3.7 | 1.1 |
| 14 | 0040 | 1.2 | .4 | 29 | 0130 | 1.1 | .3 |
| | 0655 | 4.1 | 1.2 | | 0755 | 4.0 | 1.2 |
| TH | 1320 | .6 | .2 | FR | 1355 | 1.1 | .3 |
| JE | 1940 | 3.7 | 1.1 | VE | 2015 | 3.8 | 1.2 |
| 15 | 0125 | .8 | .2 | 30 | 0205 | .9 | .3 |
| | 0740 | 4.3 | 1.3 | | 0830 | 4.0 | 1.2 |
| FR | 1355 | .5 | .2 | SA | 1430 | 1.1 | .3 |
| VE | 2015 | 4.0 | 1.2 | SA | 2040 | 3.8 | 1.2 |

## TABLE DES MARÉES

# NORTH SYDNEY (HNA)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0240 | .7 | | 2 | | 16 | 0235 | .2 | | 1 | |
| | 0905 | 3.9 | | 1 | 2 | | 0905 | 4.3 | | 1 | 3 |
| SU | 1500 | 1.1 | | 3 | | MO | 1450 | 1.0 | | 3 | |
| DI | 2105 | 3.9 | | 1 | 2 | LU | 2105 | 4.5 | | 1 | 4 |
| 2 | 0315 | .6 | | 2 | | 17 | 0325 | .2 | | 1 | |
| | 0935 | 3.8 | | 1 | 2 | | 0955 | 4.2 | | 1 | 3 |
| MO | 1530 | 1.2 | | 4 | | TU | 1535 | 1.2 | | 4 | |
| LU | 2130 | 3.8 | | 1 | 2 | MA | 2150 | 4.5 | | 1 | 4 |
| 3 | 0350 | .7 | | 2 | | 18 | 0415 | .3 | | 1 | |
| | 1010 | 3.6 | | 1 | 1 | | 1050 | 3.9 | | 1 | 2 |
| TU | 1600 | 1.3 | | 4 | | WE | 1620 | 1.4 | | 4 | |
| MA | 2155 | 3.8 | | 1 | 2 | ME | 2235 | 4.4 | | 1 | 3 |
| 4 | 0425 | .8 | | 2 | | 19 | 0515 | .5 | | 2 | |
| | 1045 | 3.4 | | 1 | 0 | | 1150 | 3.6 | | 1 | 1 |
| WE | 1625 | 1.5 | | 5 | | TH | 1710 | 1.6 | | 5 | |
| ME | 2225 | 3.7 | | 1 | 1 | JE | 2330 | 4.1 | | 1 | 2 |
| 5 | 0505 | .9 | | 3 | | 20 | 0615 | .8 | | 2 | |
| | 1120 | 3.2 | | 1 | 0 | | 1255 | 3.4 | | 1 | 0 |
| TH | 1655 | 1.6 | | 5 | | FR | 1805 | 1.8 | | 5 | |
| JE | 2300 | 3.6 | | 1 | 1 | VE | | | | | |
| 6 | 0550 | 1.1 | | 3 | | 21 | 0035 | 3.9 | | 1 | 2 |
| | 1210 | 2.9 | | 9 | | | 0720 | 1.1 | | 3 | |
| FR | 1730 | 1.7 | | 5 | | SA | 1400 | 3.2 | | 1 | 0 |
| VE | 2340 | 3.5 | | 1 | 1 | SA | 1905 | 2.0 | | 6 | |
| 7 | 0650 | 1.3 | | 4 | | 22 | 0155 | 3.7 | | 1 | 1 |
| | 1310 | 2.8 | | 9 | | | 0835 | 1.3 | | 4 | |
| SA | 1815 | 1.8 | | 5 | | SU | 1510 | 3.1 | | 9 | |
| SA | | | | | | DI | 2015 | 2.0 | | 6 | |
| 8 | 0045 | 3.4 | | 1 | 0 | 23 | 0315 | 3.6 | | 1 | 1 |
| | 0755 | 1.4 | | 4 | | | 0950 | 1.4 | | 4 | |
| SU | 1425 | 2.7 | | 8 | | MO | 1610 | 3.2 | | 1 | 0 |
| DI | 1925 | 1.9 | | 6 | | LU | 2140 | 2.0 | | 6 | |
| 9 | 0205 | 3.4 | | 1 | 0 | 24 | 0425 | 3.6 | | 1 | 1 |
| | 0910 | 1.4 | | 4 | | | 1050 | 1.5 | | 5 | |
| MO | 1540 | 2.8 | | 9 | | TU | 1705 | 3.3 | | 1 | 0 |
| LU | 2055 | 1.9 | | 6 | | MA | 2255 | 1.8 | | 5 | |
| 10 | 0330 | 3.4 | | 1 | 0 | 25 | 0520 | 3.6 | | 1 | 1 |
| | 1015 | 1.3 | | 4 | | | 1135 | 1.5 | | 5 | |
| TU | 1645 | 3.1 | | 9 | | WE | 1750 | 3.5 | | 1 | 1 |
| MA | 2220 | 1.7 | | 5 | | ME | 2350 | 1.5 | | 5 | |
| 11 | 0440 | 3.6 | | 1 | 1 | 26 | 0610 | 3.7 | | 1 | 1 |
| | 1110 | 1.1 | | 3 | | | 1210 | 1.4 | | 4 | |
| WE | 1735 | 3.4 | | 1 | 0 | TH | 1830 | 3.6 | | 1 | 1 |
| ME | 2325 | 1.4 | | 4 | | JE | | | | | |
| 12 | 0540 | 3.9 | | 1 | 2 | 27 | 0030 | 1.3 | | 4 | |
| | 1155 | 1.0 | | 3 | | | 0650 | 3.8 | | 1 | 2 |
| TH | 1820 | 3.7 | | 1 | 1 | FR | 1245 | 1.4 | | 4 | |
| JE | | | | | | VE | 1905 | 3.8 | | 1 | 2 |
| 13 | 0020 | 1.0 | | 3 | | 28 | 0105 | 1.0 | | 3 | |
| | 0630 | 4.1 | | 1 | 2 | | 0730 | 3.9 | | 1 | 2 |
| FR | 1240 | .9 | | 3 | | SA | 1320 | 1.4 | | 4 | |
| VE | 1900 | 4.1 | | 1 | 2 | SA | 1935 | 3.9 | | 1 | 2 |
| 14 | 0105 | .7 | | 2 | | 29 | 0140 | .8 | | 2 | |
| | 0725 | 4.3 | | 1 | 3 | | 0810 | 3.9 | | 1 | 2 |
| SA | 1325 | .8 | | 2 | | SU | 1350 | 1.4 | | 4 | |
| SA | 1945 | 4.3 | | 1 | 3 | DI | 2005 | 4.0 | | 1 | 2 |
| 15 | 0150 | .4 | | 1 | | 30 | 0215 | .7 | | 2 | |
| | 0810 | 4.3 | | 1 | 3 | | 0845 | 3.9 | | 1 | 2 |
| SU | 1405 | .9 | | 3 | | MO | 1425 | 1.4 | | 4 | |
| DI | 2025 | 4.5 | | 1 | 4 | LU | 2030 | 4.0 | | 1 | 2 |
| | | | | | | 31 | 0255 | .7 | | 2 | |
| | | | | | | | 0920 | 3.8 | | 1 | 2 |
| | | | | | | TU | 1455 | 1.5 | | 5 | |
| | | | | | | MA | 2100 | 4.0 | | 1 | 2 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0330 | .7 | | 2 | | 16 | 0410 | .4 | | 1 | |
| | 0955 | 3.6 | | 1 | 1 | | 1040 | 3.9 | | 1 | 2 |
| WE | 1530 | 1.6 | | 5 | | TH | 1605 | 1.6 | | 5 | |
| ME | 2125 | 4.0 | | 1 | 2 | JE | 2220 | 4.6 | | 1 | 4 |
| 2 | 0410 | .8 | | 2 | | 17 | 0505 | .6 | | 2 | |
| | 1030 | 3.4 | | 1 | 0 | | 1135 | 3.7 | | 1 | 1 |
| TH | 1600 | 1.6 | | 5 | | FR | 1655 | 1.7 | | 5 | |
| JE | 2200 | 4.0 | | 1 | 2 | VE | 2315 | 4.3 | | 1 | 3 |
| 3 | 0450 | 1.0 | | 3 | | 18 | 0605 | .9 | | 3 | |
| | 1110 | 3.2 | | 1 | 0 | | 1235 | 3.5 | | 1 | 1 |
| FR | 1635 | 1.7 | | 5 | | SA | 1750 | 1.8 | | 5 | |
| VE | 2240 | 3.9 | | 1 | 2 | SA | | | | | |
| 4 | 0535 | 1.1 | | 3 | | 19 | 0020 | 4.0 | | 1 | 2 |
| | 1155 | 3.1 | | 9 | | | 0700 | 1.1 | | 3 | |
| SA | 1715 | 1.7 | | 5 | | SU | 1330 | 3.4 | | 1 | 0 |
| SA | 2325 | 3.8 | | 1 | 2 | DI | 1845 | 1.9 | | 6 | |
| 5 | 0630 | 1.2 | | 4 | | 20 | 0130 | 3.8 | | 1 | 2 |
| | 1255 | 3.0 | | 9 | | | 0800 | 1.4 | | 4 | |
| SU | 1805 | 1.8 | | 5 | | MO | 1430 | 3.3 | | 1 | 0 |
| DI | | | | | | LU | 1950 | 2.0 | | 6 | |
| 6 | 0025 | 3.6 | | 1 | 1 | 21 | 0240 | 3.6 | | 1 | 1 |
| | 0725 | 1.3 | | 4 | | | 0855 | 1.6 | | 5 | |
| MO | 1355 | 3.0 | | 9 | | TU | 1525 | 3.3 | | 1 | 0 |
| LU | 1915 | 1.9 | | 6 | | MA | 2105 | 1.9 | | 6 | |
| 7 | 0140 | 3.5 | | 1 | 1 | 22 | 0345 | 3.4 | | 1 | 0 |
| | 0825 | 1.3 | | 4 | | | 0945 | 1.7 | | 5 | |
| TU | 1500 | 3.2 | | 1 | 0 | WE | 1615 | 3.4 | | 1 | 0 |
| MA | 2035 | 1.8 | | 5 | | ME | 2215 | 1.8 | | 5 | |
| 8 | 0255 | 3.5 | | 1 | 1 | 23 | 0445 | 3.4 | | 1 | 0 |
| | 0925 | 1.3 | | 4 | | | 1035 | 1.7 | | 5 | |
| WE | 1600 | 3.4 | | 1 | 0 | TH | 1700 | 3.5 | | 1 | 1 |
| ME | 2150 | 1.7 | | 5 | | JE | 2310 | 1.5 | | 5 | |
| 9 | 0410 | 3.6 | | 1 | 1 | 24 | 0535 | 3.5 | | 1 | 1 |
| | 1020 | 1.3 | | 4 | | | 1115 | 1.7 | | 5 | |
| TH | 1650 | 3.7 | | 1 | 1 | FR | 1740 | 3.7 | | 1 | 1 |
| JE | 2300 | 1.4 | | 4 | | VE | | | | | |
| 10 | 0515 | 3.8 | | 1 | 2 | 25 | 0000 | 1.3 | | 4 | |
| | 1115 | 1.2 | | 4 | | | 0625 | 3.6 | | 1 | 1 |
| FR | 1740 | 4.0 | | 1 | 2 | SA | 1200 | 1.7 | | 5 | |
| VE | 2355 | 1.0 | | 3 | | SA | 1820 | 3.8 | | 1 | 2 |
| 11 | 0610 | 3.9 | | 1 | 2 | 26 | 0040 | 1.1 | | 3 | |
| | 1205 | 1.2 | | 4 | | | 0705 | 3.7 | | 1 | 1 |
| SA | 1825 | 4.3 | | 1 | 3 | SU | 1240 | 1.7 | | 5 | |
| SA | | | | | | DI | 1900 | 3.9 | | 1 | 2 |
| 12 | 0045 | .7 | | 2 | | 27 | 0120 | 1.0 | | 3 | |
| | 0710 | 4.1 | | 1 | 2 | | 0750 | 3.7 | | 1 | 1 |
| SU | 1250 | 1.3 | | 4 | | MO | 1320 | 1.7 | | 5 | |
| DI | 1915 | 4.5 | | 1 | 4 | LU | 1930 | 4.1 | | 1 | 2 |
| 13 | 0135 | .4 | | 1 | | 28 | 0200 | .9 | | 3 | |
| | 0800 | 4.2 | | 1 | 3 | | 0830 | 3.7 | | 1 | 1 |
| MO | 1340 | 1.3 | | 4 | | TU | 1355 | 1.7 | | 5 | |
| LU | 2000 | 4.7 | | 1 | 4 | MA | 2005 | 4.1 | | 1 | 2 |
| 14 | 0225 | .3 | | 1 | | 29 | 0240 | .8 | | 2 | |
| | 0855 | 4.2 | | 1 | 3 | | 0905 | 3.7 | | 1 | 1 |
| TU | 1430 | 1.4 | | 4 | | WE | 1430 | 1.7 | | 5 | |
| MA | 2045 | 4.7 | | 1 | 4 | ME | 2035 | 4.2 | | 1 | 3 |
| 15 | 0315 | .3 | | 1 | | 30 | 0320 | .8 | | 2 | |
| | 0950 | 4.1 | | 1 | 2 | | 0945 | 3.6 | | 1 | 1 |
| WE | 1515 | 1.5 | | 5 | | TH | 1505 | 1.7 | | 5 | |
| ME | 2130 | 4.7 | | 1 | 4 | JE | 2110 | 4.2 | | 1 | 3 |

### DECEMBER-DECEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0400 | .8 | | 2 | | 16 | 0450 | .6 | | 2 | |
| | 1020 | 3.5 | | 1 | 1 | | 1115 | 3.8 | | 1 | 2 |
| FR | 1540 | 1.6 | | 5 | | SA | 1640 | 1.6 | | 5 | |
| VE | 2145 | 4.2 | | 1 | 3 | SA | 2300 | 4.4 | | 1 | 3 |
| 2 | 0440 | .9 | | 3 | | 17 | 0540 | .9 | | 3 | |
| | 1100 | 3.4 | | 1 | 0 | | 1205 | 3.6 | | 1 | 1 |
| SA | 1620 | 1.6 | | 5 | | SU | 1730 | 1.6 | | 5 | |
| SA | 2225 | 4.1 | | 1 | 2 | DI | 2355 | 4.1 | | 1 | 2 |
| 3 | 0520 | .9 | | 3 | | 18 | 0625 | 1.1 | | 3 | |
| | 1140 | 3.4 | | 1 | 0 | | 1250 | 3.5 | | 1 | 1 |
| SU | 1705 | 1.6 | | 5 | | MO | 1820 | 1.7 | | 5 | |
| DI | 2315 | 4.0 | | 1 | 2 | LU | | | | | |
| 4 | 0605 | 1.0 | | 3 | | 19 | 0050 | 3.7 | | 1 | 1 |
| | 1230 | 3.4 | | 1 | 0 | | 0710 | 1.4 | | 4 | |
| MO | 1755 | 1.7 | | 5 | | TU | 1335 | 3.4 | | 1 | 0 |
| LU | | | | | | MA | 1915 | 1.8 | | 5 | |
| 5 | 0010 | 3.8 | | 1 | 2 | 20 | 0150 | 3.4 | | 1 | 0 |
| | 0650 | 1.1 | | 3 | | | 0755 | 1.6 | | 5 | |
| TU | 1320 | 3.4 | | 1 | 0 | WE | 1420 | 3.4 | | 1 | 0 |
| MA | 1900 | 1.7 | | 5 | | ME | 2015 | 1.8 | | 5 | |
| 6 | 0115 | 3.6 | | 1 | 1 | 21 | 0255 | 3.3 | | 1 | 0 |
| | 0740 | 1.2 | | 4 | | | 0840 | 1.7 | | 5 | |
| WE | 1415 | 3.5 | | 1 | 1 | TH | 1510 | 3.4 | | 1 | 0 |
| ME | 2010 | 1.7 | | 5 | | JE | 2120 | 1.7 | | 5 | |
| 7 | 0225 | 3.5 | | 1 | 1 | 22 | 0355 | 3.2 | | 1 | 0 |
| | 0835 | 1.3 | | 4 | | | 0930 | 1.8 | | 5 | |
| TH | 1510 | 3.7 | | 1 | 1 | FR | 1555 | 3.5 | | 1 | 1 |
| JE | 2120 | 1.5 | | 5 | | VE | 2225 | 1.6 | | 5 | |
| 8 | 0340 | 3.5 | | 1 | 1 | 23 | 0455 | 3.2 | | 1 | 0 |
| | 0935 | 1.5 | | 5 | | | 1020 | 1.9 | | 6 | |
| FR | 1610 | 3.9 | | 1 | 2 | SA | 1650 | 3.6 | | 1 | 1 |
| VE | 2230 | 1.3 | | 4 | | SA | 2320 | 1.4 | | 4 | |
| 9 | 0450 | 3.6 | | 1 | 1 | 24 | 0550 | 3.3 | | 1 | 0 |
| | 1030 | 1.6 | | 5 | | | 1110 | 1.9 | | 6 | |
| SA | 1705 | 4.1 | | 1 | 2 | SU | 1740 | 3.7 | | 1 | 1 |
| SA | 2330 | 1.1 | | 3 | | DI | | | | | |
| 10 | 0600 | 3.7 | | 1 | 1 | 25 | 0015 | 1.3 | | 4 | |
| | 1130 | 1.6 | | 5 | | | 0645 | 3.4 | | 1 | 0 |
| SU | 1800 | 4.3 | | 1 | 3 | MO | 1200 | 1.9 | | 6 | |
| DI | | | | | | LU | 1825 | 3.9 | | 1 | 2 |
| 11 | 0030 | .8 | | 2 | | 26 | 0100 | 1.1 | | 3 | |
| | 0700 | 3.9 | | 1 | 2 | | 0730 | 3.5 | | 1 | 1 |
| MO | 1225 | 1.7 | | 5 | | TU | 1250 | 1.9 | | 6 | |
| LU | 1850 | 4.5 | | 1 | 4 | MA | 1905 | 4.0 | | 1 | 2 |
| 12 | 0125 | .6 | | 2 | | 27 | 0145 | 1.0 | | 3 | |
| | 0755 | 4.0 | | 1 | 2 | | 0815 | 3.5 | | 1 | 1 |
| TU | 1320 | 1.7 | | 5 | | WE | 1330 | 1.8 | | 5 | |
| MA | 1940 | 4.7 | | 1 | 4 | ME | 1945 | 4.2 | | 1 | 3 |
| 13 | 0215 | .5 | | 2 | | 28 | 0230 | .9 | | 3 | |
| | 0850 | 4.1 | | 1 | 2 | | 0850 | 3.6 | | 1 | 1 |
| WE | 1410 | 1.6 | | 5 | | TH | 1410 | 1.7 | | 5 | |
| ME | 2030 | 4.8 | | 1 | 5 | JE | 2020 | 4.3 | | 1 | 3 |
| 14 | 0310 | .4 | | 1 | | 29 | 0305 | .8 | | 2 | |
| | 0940 | 4.0 | | 1 | 2 | | 0930 | 3.6 | | 1 | 1 |
| TH | 1505 | 1.6 | | 5 | | FR | 1450 | 1.6 | | 5 | |
| JE | 2120 | 4.8 | | 1 | 5 | VE | 2055 | 4.4 | | 1 | 3 |
| 15 | 0400 | .5 | | 2 | | 30 | 0340 | .7 | | 2 | |
| | 1030 | 3.9 | | 1 | 2 | | 1005 | 3.6 | | 1 | 1 |
| FR | 1550 | 1.6 | | 5 | | SA | 1530 | 1.5 | | 5 | |
| VE | 2210 | 4.7 | | 1 | 4 | SA | 2135 | 4.4 | | 1 | 3 |
| | | | | | | 31 | 0420 | .7 | | 2 | |
| | | | | | | | 1040 | 3.6 | | 1 | 1 |
| | | | | | | SU | 1610 | 1.4 | | 4 | |
| | | | | | | DI | 2215 | 4.3 | | 1 | 3 |

# PORT AUX BASQUES (Z -3½ NST)



1989

## JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0355 | 5.0 | 1.5 | 16 | 0430 | 5.2 | 1.6 |
| | 0950 | 3.3 | 1.0 | | 1040 | 2.9 | .9 |
| SU | 1550 | 4.7 | 1.4 | MO | 1640 | 4.7 | 1.4 |
| DI | 2205 | 2.9 | .9 | LU | 2300 | 2.1 | .6 |
| 2 | 0455 | 5.0 | 1.5 | 17 | 0545 | 5.3 | 1.6 |
| | 1055 | 3.4 | 1.0 | | 1205 | 3.0 | .9 |
| MO | 1640 | 4.7 | 1.4 | TU | 1745 | 4.7 | 1.4 |
| LU | 2300 | 2.8 | .9 | MA | | | |
| 3 | 0555 | 5.2 | 1.6 | 18 | 0005 | 2.0 | .6 |
| | 1205 | 3.5 | 1.1 | | 0655 | 5.4 | 1.6 |
| TU | 1735 | 4.6 | 1.4 | WE | 1315 | 3.0 | .9 |
| MA | | | | ME | 1845 | 4.7 | 1.4 |
| 4 | 0000 | 2.5 | .8 | 19 | 0105 | 1.9 | .6 |
| | 0655 | 5.4 | 1.6 | | 0750 | 5.6 | 1.7 |
| WE | 1305 | 3.4 | 1.0 | TH | 1410 | 3.0 | .9 |
| ME | 1830 | 4.7 | 1.4 | JE | 1940 | ▸4.9 | 1.5 |
| 5 | 0050 | 2.2 | .7 | 20 | 0155 | 1.8 | .5 |
| | 0750 | 5.7 | 1.7 | | 0840 | 5.7 | 1.7 |
| TH | 1400 | 3.2 | 1.0 | FR | 1455 | 2.9 | .9 |
| JE | 1925 | 4.8 | 1.5 | VE | 2025 | 5.0 | 1.5 |
| 6 | 0140 | 1.9 | .6 | 21 | 0245 | 1.7 | .5 |
| | 0835 | 5.9 | 1.8 | | 0925 | 5.8 | 1.8 |
| FR | 1445 | 3.0 | .9 | SA | 1535 | 2.8 | .9 |
| VE | 2010 | 5.0 | 1.5 | SA | 2110 | 5.1 | 1.6 |
| 7 | 0230 | 1.6 | .5 | 22 | 0325 | 1.7 | .5 |
| | 0920 | 6.1 | 1.9 | | 1005 | 5.8 | 1.8 |
| SA | 1525 | 2.8 | .9 | SU | 1605 | 2.8 | .9 |
| SA | 2055 | 5.2 | 1.6 | DI | 2150 | 5.2 | 1.6 |
| 8 | 0315 | 1.4 | .4 | 23 | 0405 | 1.8 | .5 |
| | 1005 | 6.3 | 1.9 | | 1040 | 5.8 | 1.8 |
| SU | 1610 | 2.6 | .8 | MO | 1640 | 2.7 | .8 |
| DI | 2145 | 5.3 | 1.6 | LU | 2230 | 5.3 | 1.6 |
| 9 | 0405 | 1.3 | .4 | 24 | 0445 | 1.9 | .6 |
| | 1045 | 6.3 | 1.9 | | 1115 | 5.8 | 1.8 |
| MO | 1645 | 2.4 | .7 | TU | 1710 | 2.8 | .8 |
| LU | 2230 | 5.4 | 1.6 | MA | 2310 | 5.4 | 1.6 |
| 10 | 0450 | 1.3 | .4 | 25 | 0525 | 2.1 | .6 |
| | 1130 | 6.2 | 1.9 | | 1150 | 5.7 | 1.7 |
| TU | 1730 | 2.3 | .7 | WE | 1745 | 2.6 | .8 |
| MA | 2320 | 5.5 | 1.7 | ME | 2350 | 5.4 | 1.6 |
| 11 | 0535 | 1.4 | .4 | 26 | 0605 | 2.3 | .7 |
| | 1210 | 6.0 | 1.8 | | 1220 | 5.5 | 1.7 |
| WE | 1810 | 2.2 | .7 | TH | 1820 | 2.6 | .8 |
| ME | | | | JE | | | |
| 12 | 0015 | 5.5 | 1.7 | 27 | 0035 | 5.3 | 1.6 |
| | 0625 | 1.7 | .5 | | 0640 | 2.5 | .8 |
| TH | 1255 | 5.7 | 1.7 | FR | 1250 | 5.3 | 1.6 |
| JE | 1855 | 2.2 | .7 | VE | 1850 | 2.7 | .8 |
| 13 | 0110 | 5.4 | 1.6 | 28 | 0115 | 5.3 | 1.6 |
| | 0715 | 2.0 | .6 | | 0715 | 2.6 | .9 |
| FR | 1345 | 5.5 | 1.7 | SA | 1320 | 5.1 | 1.6 |
| VE | 1945 | 2.2 | .7 | SA | 1925 | 2.7 | .8 |
| 14 | 0210 | 5.3 | 1.6 | 29 | 0155 | 5.2 | 1.6 |
| | 0815 | 2.3 | .7 | | 0755 | 3.1 | .9 |
| SA | 1435 | 5.2 | 1.6 | SU | 1350 | 4.9 | 1.5 |
| SA | 2040 | 2.2 | .7 | DI | 2005 | 2.8 | .9 |
| 15 | 0320 | 5.2 | 1.6 | 30 | 0250 | 5.1 | 1.6 |
| | 0920 | 2.7 | .8 | | 0840 | 3.4 | 1.0 |
| SU | 1530 | 4.9 | 1.5 | MO | 1425 | 4.7 | 1.4 |
| DI | 2145 | 2.2 | .7 | LU | 2050 | 2.8 | .9 |
| | | | | 31 | 0355 | 5.0 | 1.5 |
| | | | | | 0940 | 3.6 | 1.1 |
| | | | | TU | 1515 | 4.5 | 1.4 |
| | | | | MA | 2155 | 2.7 | .8 |

## FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0510 | 5.0 | 1.5 | 16 | 0640 | 5.1 | 1.6 |
| | 1115 | 3.6 | 1.1 | | 1315 | 3.2 | 1.0 |
| WE | 1630 | 4.5 | 1.4 | TH | 1830 | 4.5 | 1.4 |
| ME | 2315 | 2.5 | .8 | JE | | | |
| 2 | 0625 | 5.2 | 1.6 | 17 | 0055 | 2.1 | .6 |
| | 1240 | 3.5 | 1.1 | | 0745 | 5.3 | 1.6 |
| TH | 1755 | 4.6 | 1.4 | FR | 1405 | 3.1 | .9 |
| JE | | | | VE | 1930 | 4.7 | 1.4 |
| 3 | 0025 | 2.2 | .7 | 18 | 0150 | 2.0 | .6 |
| | 0725 | 5.5 | 1.7 | | 0835 | 5.4 | 1.6 |
| FR | 1335 | 3.2 | 1.0 | SA | 1445 | 2.9 | .9 |
| VE | 1900 | 4.8 | 1.5 | SA | 2015 | 4.9 | 1.5 |
| 4 | 0125 | 1.9 | .6 | 19 | 0240 | 1.9 | .6 |
| | 0815 | 5.8 | 1.8 | | 0915 | 5.5 | 1.7 |
| SA | 1425 | 2.9 | .9 | SU | 1515 | 2.8 | .9 |
| SA | 1955 | 5.1 | 1.6 | DI | 2100 | 5.2 | 1.6 |
| 5 | 0215 | 1.5 | .5 | 20 | 0320 | 1.4 | .6 |
| | 0900 | 6.0 | 1.8 | | 0945 | 5.6 | 1.7 |
| SU | 1505 | 2.5 | .8 | MO | 1545 | 2.6 | .8 |
| DI | 2045 | 5.4 | 1.6 | LU | 2140 | 5.4 | 1.6 |
| 6 | 0305 | 1.3 | .4 | 21 | 0355 | 1.3 | .6 |
| | 0940 | 6.2 | 1.9 | | 1015 | 5.7 | 1.7 |
| MO | 1545 | 2.2 | .7 | TU | 1615 | 2.4 | .7 |
| LU | 2130 | 5.6 | 1.7 | MA | 2215 | 5.5 | 1.7 |
| 7 | 0350 | 1.2 | .4 | 22 | 0430 | 2.0 | .6 |
| | 1020 | 6.3 | 1.9 | | 1045 | 5.7 | 1.7 |
| TU | 1625 | 1.9 | .6 | WE | 1640 | 2.3 | .7 |
| MA | 2220 | 5.7 | 1.7 | ME | 2250 | 5.6 | 1.7 |
| 8 | 0435 | 1.2 | .4 | 23 | 0500 | 2.1 | .6 |
| | 1105 | 6.2 | 1.9 | | 1110 | 5.6 | 1.7 |
| WE | 1700 | 1.7 | .5 | TH | 1710 | 2.3 | .7 |
| ME | 2310 | 5.8 | 1.8 | JE | 2325 | 5.6 | 1.7 |
| 9 | 0520 | 1.3 | .4 | 24 | 0535 | 2.3 | .7 |
| | 1145 | 6.0 | 1.8 | | 1140 | 5.5 | 1.7 |
| TH | 1745 | 1.7 | .5 | FR | 1740 | 2.3 | .7 |
| JE | | | | VE | | | |
| 10 | 0000 | 5.8 | 1.8 | 25 | 0000 | 5.6 | 1.7 |
| | 0605 | 1.6 | .5 | | 0605 | 2.5 | .8 |
| FR | 1225 | 5.7 | 1.7 | SA | 1205 | 5.3 | 1.6 |
| VE | 1825 | 1.7 | .5 | SA | 1805 | 2.3 | .7 |
| 11 | 0055 | 5.7 | 1.7 | 26 | 0035 | 5.6 | 1.7 |
| | 0655 | 2.0 | .6 | | 0640 | 2.8 | .9 |
| SA | 1310 | 5.4 | 1.6 | SU | 1225 | 5.0 | 1.5 |
| SA | 1915 | 1.8 | .5 | DI | 1835 | 2.4 | .7 |
| 12 | 0150 | 5.5 | 1.7 | 27 | 0115 | 5.3 | 1.6 |
| | 0750 | 2.4 | .7 | | 0710 | 3.1 | .9 |
| SU | 1400 | 5.0 | 1.5 | MO | 1250 | 4.8 | 1.5 |
| DI | 2005 | 2.0 | .6 | LU | 1910 | 2.5 | .8 |
| 13 | 0255 | 5.3 | 1.6 | 28 | 0205 | 5.1 | 1.6 |
| | 0850 | 2.8 | .9 | | 0755 | 3.3 | 1.0 |
| MO | 1500 | 4.7 | 1.4 | TU | 1325 | 4.6 | 1.4 |
| LU | 2110 | 2.1 | .6 | MA | 2000 | 2.5 | .8 |
| 14 | 0410 | 5.1 | 1.6 | | | | |
| | 1015 | 3.1 | .9 | | | | |
| TU | 1605 | 4.5 | 1.4 | | | | |
| MA | 2225 | 2.2 | .7 | | | | |
| 15 | 0525 | 5.1 | 1.6 | | | | |
| | 1155 | 3.3 | 1.0 | | | | |
| WE | 1720 | 4.4 | 1.3 | | | | |
| ME | 2345 | 2.2 | .7 | | | | |

## MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0310 | 4.9 | 1.5 | 16 | 0505 | 4.9 | 1.5 |
| | 0855 | 3.6 | 1.1 | | 1155 | 3.3 | 1.0 |
| WE | 1420 | 4.4 | 1.3 | TH | 1705 | 4.2 | 1.3 |
| ME | 2110 | 2.6 | .8 | JE | 2330 | 2.4 | .7 |
| 2 | 0435 | 4.9 | 1.5 | 17 | 0630 | 4.9 | 1.5 |
| | 1040 | 3.6 | 1.1 | | 1310 | 3.2 | 1.0 |
| TH | 1600 | 4.3 | 1.3 | FR | 1820 | 4.4 | 1.3 |
| JE | 2245 | 2.5 | .8 | VE | | | |
| 3 | 0555 | 5.0 | 1.5 | 18 | 0045 | 2.3 | .7 |
| | 1210 | 3.4 | 1.0 | | 0735 | 5.0 | 1.5 |
| FR | 1735 | 4.5 | 1.4 | SA | 1355 | 3.0 | .9 |
| VE | | | | SA | 1920 | 4.7 | 1.4 |
| 4 | 0005 | 2.2 | .7 | 19 | 0145 | 2.2 | .7 |
| | 0655 | 5.3 | 1.6 | | 0815 | 5.3 | 1.6 |
| SA | 1310 | 3.0 | .9 | SU | 1425 | 2.8 | .9 |
| SA | 1840 | 4.8 | 1.5 | DI | 2010 | 5.0 | 1.5 |
| 5 | 0105 | 1.8 | .5 | 20 | 0225 | 2.1 | .6 |
| | 0745 | 5.6 | 1.7 | | 0850 | 5.3 | 1.6 |
| SU | 1355 | 2.5 | .8 | MO | 1450 | 2.5 | .8 |
| DI | 1940 | 5.2 | 1.6 | LU | 2050 | 5.3 | 1.6 |
| 6 | 0200 | 1.5 | .5 | 21 | 0305 | 2.1 | .6 |
| | 0830 | 5.8 | 1.8 | | 0915 | 5.4 | 1.6 |
| MO | 1435 | 2.0 | .6 | TU | 1515 | 2.3 | .7 |
| LU | 2030 | 5.5 | 1.7 | MA | 2125 | 5.5 | 1.7 |
| 7 | 0245 | 1.3 | .4 | 22 | 0335 | 2.1 | .6 |
| | 0915 | 6.0 | 1.8 | | 0945 | 5.5 | 1.7 |
| TU | 1515 | 1.6 | .5 | WE | 1540 | 2.1 | .6 |
| MA | 2120 | 5.8 | 1.8 | ME | 2155 | 5.7 | 1.7 |
| 8 | 0335 | 1.2 | .4 | 23 | 0405 | 2.2 | .7 |
| | 0955 | 6.0 | 1.8 | | 1010 | 5.5 | 1.7 |
| WE | 1555 | 1.4 | .4 | TH | 1605 | 2.0 | .6 |
| ME | 2210 | 6.0 | 1.8 | JE | 2230 | 5.7 | 1.7 |
| 9 | 0420 | 1.3 | .4 | 24 | 0440 | 2.3 | .7 |
| | 1035 | 6.0 | 1.8 | | 1035 | 5.4 | 1.6 |
| TH | 1635 | 1.2 | .4 | FR | 1635 | 2.0 | .6 |
| JE | 2255 | 6.0 | 1.8 | VE | 2300 | 5.8 | 1.8 |
| 10 | 0505 | 1.4 | .4 | 25 | 0510 | 2.4 | .7 |
| | 1115 | 5.8 | 1.8 | | 1100 | 5.2 | 1.6 |
| FR | 1720 | 1.2 | .4 | SA | 1700 | 2.0 | .6 |
| VE | 2345 | 6.0 | 1.8 | SA | 2335 | 5.7 | 1.7 |
| 11 | 0550 | 1.7 | .5 | 26 | 0540 | 2.6 | .8 |
| | 1200 | 5.5 | 1.7 | | 1125 | 5.0 | 1.5 |
| SA | 1800 | 1.4 | .4 | SU | 1730 | 2.0 | .6 |
| SA | | | | DI | | | |
| 12 | 0035 | 5.8 | 1.8 | 27 | 0015 | 5.6 | 1.7 |
| | 0640 | 2.1 | .6 | | 0610 | 2.9 | .9 |
| SU | 1245 | 5.1 | 1.6 | MO | 1145 | 4.8 | 1.5 |
| DI | 1845 | 1.6 | .5 | LU | 1805 | 2.1 | .6 |
| 13 | 0135 | 5.6 | 1.7 | 28 | 0055 | 5.4 | 1.6 |
| | 0730 | 2.5 | .8 | | 0650 | 3.1 | .9 |
| MO | 1330 | 4.8 | 1.5 | TU | 1215 | 4.7 | 1.4 |
| LU | 1935 | 1.8 | .5 | MA | 1840 | 2.2 | .7 |
| 14 | 0235 | 5.3 | 1.6 | 29 | 0145 | 5.1 | 1.6 |
| | 0830 | 2.9 | .9 | | 0730 | 3.3 | 1.0 |
| TU | 1430 | 4.4 | 1.3 | WE | 1255 | 4.5 | 1.4 |
| MA | 2040 | 2.1 | .6 | ME | 1935 | 2.3 | .7 |
| 15 | 0345 | 5.1 | 1.6 | 30 | 0255 | 4.9 | 1.5 |
| | 1005 | 3.3 | 1.0 | | 0840 | 3.4 | 1.0 |
| WE | 1545 | 4.2 | 1.3 | TH | 1410 | 4.3 | 1.3 |
| ME | 2200 | 2.3 | .7 | JE | 2050 | 2.4 | .7 |
| | | | | 31 | 0405 | 4.8 | 1.5 |
| | | | | | 1015 | 3.4 | 1.0 |
| | | | | FR | 1550 | 4.3 | 1.3 |
| | | | | VE | 2220 | 2.4 | .7 |

# TABLE DES MARÉES

# PORT AUX BASQUES ($\frac{HNTN}{Z-3\frac{1}{2}}$)

1989

## APRIL-AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m | Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0520 | 4.9 | 1.5 | 16 | 0025 | 2.5 | 8 | 1 | 0540 | 4.9 | 1.5 | 16 | 0040 | 2.7 | 8 |
| | 1135 | 3.0 | 9 | | 0655 | 4.8 | 1.5 | | 1155 | 2.2 | 7 | | 0645 | 4.7 | 1.4 |
| SA | 1715 | 4.5 | 1.4 | SU | 1315 | 2.9 | 9 | MO | 1805 | 5.0 | 1.5 | TU | 1250 | 2.6 | 8 |
| SA | 2340 | 2.2 | 7 | DI | 1905 | 4.8 | 1.5 | LU | | | | MA | 1915 | 5.1 | 1.6 |
| 2 | 0620 | 5.1 | 1.6 | 17 | 0120 | 2.5 | 8 | 2 | 0020 | 2.1 | 6 | 17 | 0125 | 2.7 | 8 |
| | 1235 | 2.6 | 8 | | 0740 | 4.9 | 1.5 | | 0635 | 5.1 | 1.6 | | 0720 | 4.8 | 1.5 |
| SU | 1825 | 4.9 | 1.5 | MO | 1345 | 2.6 | 8 | TU | 1250 | 1.8 | 5 | WE | 1325 | 2.3 | 7 |
| DI | | | | LU | 1950 | 5.1 | 1.6 | MA | 1905 | 5.4 | 1.6 | ME | 1955 | 5.3 | 1.6 |
| 3 | 0045 | 1.9 | 6 | 18 | 0205 | 2.4 | 7 | 3 | 0120 | 1.9 | 6 | 18 | 0205 | 2.7 | 8 |
| | 0710 | 5.3 | 1.6 | | 0810 | 5.0 | 1.5 | | 0725 | 5.2 | 1.6 | | 0755 | 4.8 | 1.5 |
| MO | 1325 | 2.1 | 6 | TU | 1410 | 2.3 | 7 | WE | 1340 | 1.4 | 4 | TH | 1355 | 2.1 | 6 |
| LU | 1925 | 5.3 | 1.6 | MA | 2025 | 5.3 | 1.6 | ME | 2000 | 5.7 | 1.7 | JE | 2030 | 5.5 | 1.7 |
| 4 | 0140 | 1.7 | 5 | 19 | 0240 | 2.4 | 7 | 4 | 0215 | 1.8 | 5 | 19 | 0240 | 2.7 | 8 |
| | 0800 | 5.5 | 1.7 | | 0840 | 5.1 | 1.6 | | 0815 | 5.3 | 1.6 | | 0825 | 4.9 | 1.5 |
| TU | 1405 | 1.6 | 5 | WE | 1440 | 2.1 | 6 | TH | 1425 | 1.1 | 3 | FR | 1425 | 1.9 | 6 |
| MA | 2015 | 5.6 | 1.7 | ME | 2100 | 5.6 | 1.7 | JE | 2055 | 5.9 | 1.8 | VE | 2110 | 5.7 | 1.7 |
| 5 | 0230 | 1.5 | 5 | 20 | 0310 | 2.4 | 7 | 5 | 0305 | 1.7 | 5 | 20 | 0315 | 2.7 | 8 |
| | 0845 | 5.7 | 1.7 | | 0905 | 5.2 | 1.6 | | 0900 | 5.4 | 1.6 | | 0855 | 4.9 | 1.5 |
| WE | 1450 | 1.2 | 4 | TH | 1505 | 1.9 | 6 | FR | 1510 | .9 | 3 | SA | 1500 | 1.8 | 5 |
| ME | 2105 | 5.9 | 1.8 | JE | 2135 | 5.7 | 1.7 | VE | 2140 | 6.1 | 1.9 | SA | 2145 | 5.8 | 1.8 |
| 6 | 0320 | 1.5 | 5 | 21 | 0340 | 2.4 | 7 | 6 | 0350 | 1.8 | 5 | 21 | 0355 | 2.7 | 8 |
| | 0925 | 5.7 | 1.7 | | 0930 | 5.2 | 1.6 | | 0945 | 5.3 | 1.6 | | 0925 | 4.9 | 1.5 |
| TH | 1530 | 1.0 | 3 | FR | 1535 | 1.8 | 5 | SA | 1550 | .9 | 3 | SU | 1535 | 1.7 | 5 |
| JE | 2155 | 6.1 | 1.9 | VE | 2205 | 5.8 | 1.8 | SA | 2230 | 6.1 | 1.9 | DI | 2225 | 5.8 | 1.8 |
| 7 | 0405 | 1.5 | 5 | 22 | 0415 | 2.5 | 8 | 7 | 0440 | 1.9 | 6 | 22 | 0430 | 2.7 | 8 |
| | 1010 | 5.6 | 1.7 | | 1000 | 5.1 | 1.6 | | 1030 | 5.2 | 1.6 | | 1000 | 4.8 | 1.5 |
| FR | 1615 | 1.0 | 3 | SA | 1600 | 1.8 | 5 | SU | 1635 | 1.0 | 3 | MO | 1615 | 1.6 | 5 |
| VE | 2245 | 6.1 | 1.9 | SA | 2240 | 5.8 | 1.8 | DI | 2315 | 6.1 | 1.9 | LU | 2305 | 5.8 | 1.8 |
| 8 | 0450 | 1.6 | 5 | 23 | 0450 | 2.6 | 8 | 8 | 0525 | 2.1 | 6 | 23 | 0510 | 2.8 | 9 |
| | 1050 | 5.4 | 1.6 | | 1025 | 5.0 | 1.5 | | 1110 | 4.9 | 1.5 | | 1035 | 4.8 | 1.5 |
| SA | 1655 | 1.0 | 3 | SU | 1635 | 1.8 | 5 | MO | 1720 | 1.2 | 4 | TU | 1655 | 1.6 | 5 |
| SA | 2330 | 6.1 | 1.9 | DI | 2320 | 5.7 | 1.7 | LU | | | | MA | 2350 | 5.7 | 1.7 |
| 9 | 0540 | 1.9 | 6 | 24 | 0520 | 2.8 | 9 | 9 | 0005 | 5.9 | 1.8 | 24 | 0550 | 2.9 | 9 |
| | 1135 | 5.2 | 1.6 | | 1055 | 4.8 | 1.5 | | 0610 | 2.4 | 7 | | 1120 | 4.7 | 1.4 |
| SU | 1735 | 1.2 | 4 | MO | 1705 | 1.8 | 5 | TU | 1200 | 4.7 | 1.4 | WE | 1740 | 1.7 | 5 |
| DI | | | | LU | | | | MA | 1805 | 1.5 | 5 | ME | | | |
| 10 | 0020 | 5.9 | 1.8 | 25 | 0000 | 5.6 | 1.7 | 10 | 0100 | 5.6 | 1.7 | 25 | 0035 | 5.5 | 1.7 |
| | 0625 | 2.2 | 7 | | 0600 | 2.9 | 9 | | 0700 | 2.7 | 8 | | 0630 | 2.9 | 9 |
| MO | 1220 | 4.8 | 1.5 | TU | 1125 | 4.7 | 1.4 | WE | 1250 | 4.5 | 1.4 | TH | 1205 | 4.7 | 1.4 |
| LU | 1825 | 1.5 | 5 | MA | 1745 | 1.9 | 6 | ME | 1900 | 1.8 | 5 | JE | 1830 | 1.8 | 5 |
| 11 | 0115 | 5.6 | 1.7 | 26 | 0045 | 5.4 | 1.6 | 11 | 0155 | 5.3 | 1.6 | 26 | 0125 | 5.3 | 1.6 |
| | 0715 | 2.6 | 8 | | 0640 | 3.1 | 9 | | 0755 | 3.0 | 9 | | 0715 | 2.8 | 9 |
| TU | 1310 | 4.5 | 1.4 | WE | 1205 | 4.6 | 1.4 | TH | 1355 | 4.4 | 1.3 | FR | 1305 | 4.7 | 1.4 |
| MA | 1915 | 1.8 | 5 | ME | 1835 | 2.0 | 6 | JE | 2000 | 2.2 | 7 | VE | 1925 | 1.9 | 6 |
| 12 | 0215 | 5.3 | 1.6 | 27 | 0140 | 5.2 | 1.6 | 12 | 0255 | 5.0 | 1.5 | 27 | 0210 | 5.1 | 1.6 |
| | 0820 | 3.0 | 9 | | 0725 | 3.2 | 1.0 | | 0905 | 3.1 | 9 | | 0805 | 2.7 | 8 |
| WE | 1410 | 4.3 | 1.3 | TH | 1300 | 4.4 | 1.3 | FR | 1505 | 4.3 | 1.3 | SA | 1415 | 4.7 | 1.4 |
| ME | 2020 | 2.1 | 6 | JE | 1930 | 2.1 | 6 | VE | 2115 | 2.5 | 8 | SA | 2030 | 2.1 | 6 |
| 13 | 0325 | 5.0 | 1.5 | 28 | 0235 | 5.0 | 1.5 | 13 | 0400 | 4.8 | 1.5 | 28 | 0305 | 4.9 | 1.5 |
| | 0950 | 3.2 | 1.0 | | 0830 | 3.1 | 9 | | 1020 | 3.1 | 9 | | 0905 | 2.5 | 8 |
| TH | 1525 | 4.2 | 1.3 | FR | 1420 | 4.4 | 1.3 | SA | 1620 | 4.4 | 1.3 | SU | 1525 | 4.8 | 1.5 |
| JE | 2140 | 2.4 | 7 | VE | 2045 | 2.3 | 7 | SA | 2230 | 2.6 | 8 | DI | 2135 | 2.2 | 7 |
| 14 | 0440 | 4.8 | 1.5 | 29 | 0335 | 4.9 | 1.5 | 14 | 0500 | 4.6 | 1.4 | 29 | 0400 | 4.8 | 1.5 |
| | 1125 | 3.2 | 1.0 | | 0945 | 3.0 | 9 | | 1125 | 3.0 | 9 | | 1010 | 2.3 | 7 |
| FR | 1650 | 4.2 | 1.3 | SA | 1545 | 4.5 | 1.4 | SU | 1730 | 4.6 | 1.4 | MO | 1635 | 4.9 | 1.5 |
| VE | 2310 | 2.5 | 8 | SA | 2200 | 2.3 | 7 | DI | 2340 | 2.7 | 8 | LU | 2245 | 2.3 | 7 |
| 15 | 0555 | 4.8 | 1.5 | 30 | 0440 | 4.9 | 1.5 | 15 | 0600 | 4.6 | 1.4 | 30 | 0500 | 4.8 | 1.5 |
| | 1235 | 3.1 | 9 | | 1055 | 2.6 | 8 | | 1210 | 2.8 | 9 | | 1115 | 2.0 | 6 |
| SA | 1805 | 4.5 | 1.4 | SU | 1700 | 4.7 | 1.4 | MO | 1825 | 4.9 | 1.5 | TU | 1745 | 5.1 | 1.6 |
| SA | | | | DI | 2315 | 2.2 | 7 | LU | | | | MA | 2355 | 2.3 | 7 |
| | | | | | | | | | | | | 31 | 0600 | 4.9 | 1.5 |
| | | | | | | | | | | | | | 1215 | 1.6 | 5 |
| | | | | | | | | | | | | WE | 1845 | 5.4 | 1.6 |
| | | | | | | | | | | | | ME | | | |

## MAY-MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m | Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0100 | 2.2 | 7 | 16 | 0125 | 3.0 | 9 | 1 | 0540 | 4.9 | 1.5 | 16 | 0040 | 2.7 | 8 |
| | 0700 | 4.9 | 1.5 | | 0705 | 4.6 | 1.4 | | 1155 | 2.2 | 7 | | 0645 | 4.7 | 1.4 |
| TH | 1310 | 1.4 | 4 | FR | 1310 | 2.2 | 7 | MO | 1805 | 5.0 | 1.5 | TU | 1250 | 2.6 | 8 |
| JE | 1945 | 5.6 | 1.7 | VE | 2000 | 5.4 | 1.6 | LU | | | | MA | 1915 | 5.1 | 1.6 |
| 2 | 0200 | 2.1 | 6 | 17 | 0210 | 2.9 | 9 | 2 | 0020 | 2.1 | 6 | 17 | 0125 | 2.7 | 8 |
| | 0750 | 5.0 | 1.5 | | 0745 | 4.6 | 1.4 | | 0635 | 5.1 | 1.6 | | 0720 | 4.8 | 1.5 |
| FR | 1400 | 1.2 | 4 | SA | 1355 | 2.0 | 6 | TU | 1250 | 1.8 | 5 | WE | 1325 | 2.3 | 7 |
| VE | 2040 | 5.8 | 1.8 | SA | 2045 | 5.6 | 1.7 | MA | 1905 | 5.4 | 1.6 | ME | 1955 | 5.3 | 1.6 |
| 3 | 0250 | 2.0 | 6 | 18 | 0255 | 2.9 | 9 | 3 | 0120 | 1.9 | 6 | 18 | 0205 | 2.7 | 8 |
| | 0840 | 5.1 | 1.6 | | 0820 | 4.7 | 1.4 | | 0725 | 5.2 | 1.6 | | 0755 | 4.8 | 1.5 |
| SA | 1445 | 1.0 | 3 | SU | 1435 | 1.8 | 5 | WE | 1340 | 1.4 | 4 | TH | 1355 | 2.1 | 6 |
| SA | 2125 | 6.0 | 1.8 | DI | 2125 | 5.7 | 1.7 | ME | 2000 | 5.7 | 1.7 | JE | 2030 | 5.5 | 1.7 |
| 4 | 0340 | 2.0 | 6 | 19 | 0335 | 2.8 | 9 | 4 | 0215 | 1.8 | 5 | 19 | 0240 | 2.7 | 8 |
| | 0925 | 5.1 | 1.6 | | 0900 | 4.8 | 1.5 | | 0815 | 5.3 | 1.6 | | 0825 | 4.9 | 1.5 |
| SU | 1530 | 1.0 | 3 | MO | 1515 | 1.6 | 5 | TH | 1425 | 1.1 | 3 | FR | 1425 | 1.9 | 6 |
| DI | 2215 | 6.0 | 1.8 | LU | 2210 | 5.8 | 1.8 | JE | 2055 | 5.9 | 1.8 | VE | 2110 | 5.7 | 1.7 |
| 5 | 0425 | 2.1 | 6 | 20 | 0415 | 2.7 | 8 | 5 | 0305 | 1.7 | 5 | 20 | 0315 | 2.7 | 8 |
| | 1010 | 5.0 | 1.5 | | 0940 | 4.9 | 1.5 | | 0900 | 5.4 | 1.6 | | 0855 | 4.9 | 1.5 |
| MO | 1615 | 1.1 | 3 | TU | 1600 | 1.4 | 4 | FR | 1510 | .9 | 3 | SA | 1500 | 1.8 | 5 |
| LU | 2300 | 5.9 | 1.8 | MA | 2250 | 5.8 | 1.8 | VE | 2140 | 6.1 | 1.9 | SA | 2145 | 5.8 | 1.8 |
| 6 | 0505 | 2.3 | 7 | 21 | 0450 | 2.8 | 8 | 6 | 0350 | 1.8 | 5 | 21 | 0355 | 2.7 | 8 |
| | 1050 | 4.9 | 1.5 | | 1025 | 4.9 | 1.5 | | 0945 | 5.3 | 1.6 | | 0925 | 4.9 | 1.5 |
| TU | 1705 | 1.3 | 4 | WE | 1645 | 1.4 | 4 | SA | 1550 | .9 | 3 | SU | 1535 | 1.7 | 5 |
| MA | 2350 | 5.7 | 1.7 | ME | 2335 | 5.8 | 1.8 | SA | 2230 | 6.1 | 1.9 | DI | 2225 | 5.8 | 1.8 |
| 7 | 0550 | 2.5 | 8 | 22 | 0530 | 2.5 | 8 | 7 | 0440 | 1.9 | 6 | 22 | 0430 | 2.7 | 8 |
| | 1140 | 4.8 | 1.5 | | 1110 | 5.0 | 1.5 | | 1030 | 5.2 | 1.6 | | 1000 | 4.8 | 1.5 |
| WE | 1750 | 1.6 | 5 | TH | 1735 | 1.4 | 4 | SU | 1635 | 1.0 | 3 | MO | 1615 | 1.6 | 5 |
| ME | | | | JE | | | | DI | 2315 | 6.1 | 1.9 | LU | 2305 | 5.8 | 1.8 |
| 8 | 0035 | 5.5 | 1.7 | 23 | 0015 | 5.6 | 1.7 | 8 | 0525 | 2.1 | 6 | 23 | 0510 | 2.8 | 9 |
| | 0635 | 2.7 | 8 | | 0610 | 2.4 | 7 | | 1110 | 4.9 | 1.5 | | 1035 | 4.8 | 1.5 |
| TH | 1230 | 4.7 | 1.4 | FR | 1200 | 5.0 | 1.5 | MO | 1720 | 1.2 | 4 | TU | 1655 | 1.6 | 5 |
| JE | 1845 | 1.9 | 6 | VE | 1820 | 1.5 | 5 | LU | | | | MA | 2350 | 5.7 | 1.7 |
| 9 | 0125 | 5.2 | 1.6 | 24 | 0055 | 5.4 | 1.6 | 9 | 0005 | 5.9 | 1.8 | 24 | 0550 | 2.9 | 9 |
| | 0720 | 2.8 | 9 | | 0650 | 2.3 | 7 | | 0610 | 2.4 | 7 | | 1120 | 4.7 | 1.4 |
| FR | 1330 | 4.6 | 1.4 | SA | 1255 | 5.0 | 1.5 | TU | 1200 | 4.7 | 1.4 | WE | 1740 | 1.7 | 5 |
| VE | 1940 | 2.2 | 7 | SA | 1910 | 1.7 | 5 | MA | 1805 | 1.5 | 5 | ME | | | |
| 10 | 0215 | 5.0 | 1.5 | 25 | 0140 | 5.2 | 1.6 | 10 | 0100 | 5.6 | 1.7 | 25 | 0035 | 5.5 | 1.7 |
| | 0810 | 2.9 | 9 | | 0735 | 2.2 | 7 | | 0700 | 2.7 | 8 | | 0630 | 2.9 | 9 |
| SA | 1430 | 4.6 | 1.4 | SU | 1355 | 5.0 | 1.5 | WE | 1250 | 4.5 | 1.4 | TH | 1205 | 4.7 | 1.4 |
| SA | 2035 | 2.5 | 8 | DI | 2005 | 2.0 | 6 | ME | 1900 | 1.8 | 5 | JE | 1830 | 1.8 | 5 |
| 11 | 0305 | 4.8 | 1.5 | 26 | 0230 | 5.0 | 1.5 | 11 | 0155 | 5.3 | 1.6 | 26 | 0125 | 5.3 | 1.6 |
| | 0905 | 2.9 | 9 | | 0830 | 2.1 | 6 | | 0755 | 3.0 | 9 | | 0715 | 2.8 | 9 |
| SU | 1530 | 4.7 | 1.4 | MO | 1500 | 5.0 | 1.5 | TH | 1355 | 4.4 | 1.3 | FR | 1305 | 4.7 | 1.4 |
| DI | 2135 | 2.7 | 8 | LU | 2105 | 2.2 | 7 | JE | 2000 | 2.2 | 7 | VE | 1925 | 1.9 | 6 |
| 12 | 0355 | 4.6 | 1.4 | 27 | 0325 | 4.8 | 1.5 | 12 | 0255 | 5.0 | 1.5 | 27 | 0210 | 5.1 | 1.6 |
| | 1000 | 2.9 | 9 | | 0935 | 2.0 | 6 | | 0905 | 3.1 | 9 | | 0805 | 2.7 | 8 |
| MO | 1635 | 4.8 | 1.5 | TU | 1610 | 5.0 | 1.5 | FR | 1505 | 4.3 | 1.3 | SA | 1415 | 4.7 | 1.4 |
| LU | 2240 | 2.9 | 9 | MA | 2215 | 2.4 | 7 | VE | 2115 | 2.5 | 8 | SA | 2030 | 2.1 | 6 |
| 13 | 0445 | 4.5 | 1.4 | 28 | 0425 | 4.7 | 1.4 | 13 | 0400 | 4.8 | 1.5 | 28 | 0305 | 4.9 | 1.5 |
| | 1055 | 2.8 | 9 | | 1040 | 1.9 | 6 | | 1020 | 3.1 | 9 | | 0905 | 2.5 | 8 |
| TU | 1730 | 4.9 | 1.5 | WE | 1720 | 5.1 | 1.6 | SA | 1620 | 4.4 | 1.3 | SU | 1525 | 4.8 | 1.5 |
| MA | 2340 | 3.0 | 9 | ME | 2335 | 2.5 | 8 | SA | 2230 | 2.6 | 8 | DI | 2135 | 2.2 | 7 |
| 14 | 0535 | 4.5 | 1.4 | 29 | 0530 | 4.7 | 1.4 | 14 | 0500 | 4.6 | 1.4 | 29 | 0400 | 4.8 | 1.5 |
| | 1145 | 2.8 | 8 | | 1150 | 1.7 | 5 | | 1125 | 3.0 | 9 | | 1010 | 2.3 | 7 |
| WE | 1825 | 5.0 | 1.5 | TH | 1830 | 5.3 | 1.6 | SU | 1730 | 4.6 | 1.4 | MO | 1635 | 4.9 | 1.5 |
| ME | | | | JE | | | | DI | 2340 | 2.7 | 8 | LU | 2245 | 2.3 | 7 |
| 15 | 0035 | 3.0 | 9 | 30 | 0045 | 2.5 | 8 | 15 | 0600 | 4.6 | 1.4 | 30 | 0500 | 4.8 | 1.5 |
| | 0620 | 4.5 | 1.4 | | 0635 | 4.7 | 1.4 | | 1210 | 2.8 | 9 | | 1115 | 2.0 | 6 |
| TH | 1230 | 2.4 | 7 | FR | 1250 | 1.5 | 5 | MO | 1825 | 4.9 | 1.5 | TU | 1745 | 5.1 | 1.6 |
| JE | 1915 | 5.2 | 1.6 | VE | 1930 | 5.4 | 1.6 | LU | | | | MA | 2355 | 2.3 | 7 |
| | | | | | | | | | | | | 31 | 0600 | 4.9 | 1.5 |
| | | | | | | | | | | | | | 1215 | 1.6 | 5 |
| | | | | | | | | | | | | WE | 1845 | 5.4 | 1.6 |
| | | | | | | | | | | | | ME | | | |

## JUNE-JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0100 | 2.2 | 7 | 16 | 0125 | 3.0 | 9 |
| | 0700 | 4.9 | 1.5 | | 0705 | 4.6 | 1.4 |
| TH | 1310 | 1.4 | 4 | FR | 1310 | 2.2 | 7 |
| JE | 1945 | 5.6 | 1.7 | VE | 2000 | 5.4 | 1.6 |
| 2 | 0200 | 2.1 | 6 | 17 | 0210 | 2.9 | 9 |
| | 0750 | 5.0 | 1.5 | | 0745 | 4.6 | 1.4 |
| FR | 1400 | 1.2 | 4 | SA | 1355 | 2.0 | 6 |
| VE | 2040 | 5.8 | 1.8 | SA | 2045 | 5.6 | 1.7 |
| 3 | 0250 | 2.0 | 6 | 18 | 0255 | 2.9 | 9 |
| | 0840 | 5.1 | 1.6 | | 0820 | 4.7 | 1.4 |
| SA | 1445 | 1.0 | 3 | SU | 1435 | 1.8 | 5 |
| SA | 2125 | 6.0 | 1.8 | DI | 2125 | 5.7 | 1.7 |
| 4 | 0340 | 2.0 | 6 | 19 | 0335 | 2.8 | 9 |
| | 0925 | 5.1 | 1.6 | | 0900 | 4.8 | 1.5 |
| SU | 1530 | 1.0 | 3 | MO | 1515 | 1.6 | 5 |
| DI | 2215 | 6.0 | 1.8 | LU | 2210 | 5.8 | 1.8 |
| 5 | 0425 | 2.1 | 6 | 20 | 0415 | 2.7 | 8 |
| | 1010 | 5.0 | 1.5 | | 0940 | 4.9 | 1.5 |
| MO | 1615 | 1.1 | 3 | TU | 1600 | 1.4 | 4 |
| LU | 2300 | 5.9 | 1.8 | MA | 2250 | 5.8 | 1.8 |
| 6 | 0505 | 2.3 | 7 | 21 | 0450 | 2.8 | 8 |
| | 1050 | 4.9 | 1.5 | | 1025 | 4.9 | 1.5 |
| TU | 1705 | 1.3 | 4 | WE | 1645 | 1.4 | 4 |
| MA | 2350 | 5.7 | 1.7 | ME | 2335 | 5.8 | 1.8 |
| 7 | 0550 | 2.5 | 8 | 22 | 0530 | 2.5 | 8 |
| | 1140 | 4.8 | 1.5 | | 1110 | 5.0 | 1.5 |
| WE | 1750 | 1.6 | 5 | TH | 1735 | 1.4 | 4 |
| ME | | | | JE | | | |
| 8 | 0035 | 5.5 | 1.7 | 23 | 0015 | 5.6 | 1.7 |
| | 0635 | 2.7 | 8 | | 0610 | 2.4 | 7 |
| TH | 1230 | 4.7 | 1.4 | FR | 1200 | 5.0 | 1.5 |
| JE | 1845 | 1.9 | 6 | VE | 1820 | 1.5 | 5 |
| 9 | 0125 | 5.2 | 1.6 | 24 | 0055 | 5.4 | 1.6 |
| | 0720 | 2.8 | 9 | | 0650 | 2.3 | 7 |
| FR | 1330 | 4.6 | 1.4 | SA | 1255 | 5.0 | 1.5 |
| VE | 1940 | 2.2 | 7 | SA | 1910 | 1.7 | 5 |
| 10 | 0215 | 5.0 | 1.5 | 25 | 0140 | 5.2 | 1.6 |
| | 0810 | 2.9 | 9 | | 0735 | 2.2 | 7 |
| SA | 1430 | 4.6 | 1.4 | SU | 1355 | 5.0 | 1.5 |
| SA | 2035 | 2.5 | 8 | DI | 2005 | 2.0 | 6 |
| 11 | 0305 | 4.8 | 1.5 | 26 | 0230 | 5.0 | 1.5 |
| | 0905 | 2.9 | 9 | | 0830 | 2.1 | 6 |
| SU | 1530 | 4.7 | 1.4 | MO | 1500 | 5.0 | 1.5 |
| DI | 2135 | 2.7 | 8 | LU | 2105 | 2.2 | 7 |
| 12 | 0355 | 4.6 | 1.4 | 27 | 0325 | 4.8 | 1.5 |
| | 1000 | 2.9 | 9 | | 0935 | 2.0 | 6 |
| MO | 1635 | 4.8 | 1.5 | TU | 1610 | 5.0 | 1.5 |
| LU | 2240 | 2.9 | 9 | MA | 2215 | 2.4 | 7 |
| 13 | 0445 | 4.5 | 1.4 | 28 | 0425 | 4.7 | 1.4 |
| | 1055 | 2.8 | 9 | | 1040 | 1.9 | 6 |
| TU | 1730 | 4.9 | 1.5 | WE | 1720 | 5.1 | 1.6 |
| MA | 2340 | 3.0 | 9 | ME | 2335 | 2.5 | 8 |
| 14 | 0535 | 4.5 | 1.4 | 29 | 0530 | 4.7 | 1.4 |
| | 1145 | 2.8 | 8 | | 1150 | 1.7 | 5 |
| WE | 1825 | 5.0 | 1.5 | TH | 1830 | 5.3 | 1.6 |
| ME | | | | JE | | | |
| 15 | 0035 | 3.0 | 9 | 30 | 0045 | 2.5 | 8 |
| | 0620 | 4.5 | 1.4 | | 0635 | 4.7 | 1.4 |
| TH | 1230 | 2.4 | 7 | FR | 1250 | 1.5 | 5 |
| JE | 1915 | 5.2 | 1.6 | VE | 1930 | 5.4 | 1.6 |

# PORT AUX BASQUES ($Z^{NST}_{+3\frac{1}{2}}$)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0145 | 2.4 | 7 | 16 | 0145 | 3.1 | 9 |
| | 0730 | 4.8 | 1.5 | | 0705 | 4.5 | 1.4 |
| SA | 1345 | 1.3 | 4 | SU | 1325 | 2.0 | 6 |
| SA | 2025 | 5.6 | 1.7 | DI | 2020 | 5.4 | 1.6 |
| 2 | 0235 | 2.3 | 7 | 17 | 0230 | 2.9 | 9 |
| | 0820 | 4.9 | 1.5 | | 0755 | 4.7 | 1.4 |
| SU | 1430 | 1.2 | 4 | MO | 1415 | 1.6 | 5 |
| DI | 2115 | 5.7 | 1.7 | LU | 2105 | 5.7 | 1.7 |
| 3 | 0325 | 2.3 | 7 | 18 | 0310 | 2.7 | 8 |
| | 0905 | 4.9 | 1.5 | | 0840 | 4.9 | 1.5 |
| MO | 1520 | 1.2 | 4 | TU | 1500 | 1.4 | 4 |
| LU | 2200 | 5.8 | 1.8 | MA | 2145 | 5.8 | 1.8 |
| 4 | 0405 | 2.3 | 7 | 19 | 0350 | 2.5 | 8 |
| | 0950 | 5.0 | 1.5 | | 0925 | 5.1 | 1.6 |
| TU | 1605 | 1.3 | 4 | WE | 1545 | 1.2 | 4 |
| MA | 2245 | 5.7 | 1.7 | ME | 2225 | 5.9 | 1.8 |
| 5 | 0445 | 2.4 | 7 | 20 | 0425 | 2.3 | 7 |
| | 1035 | 5.0 | 1.5 | | 1010 | 5.3 | 1.6 |
| WE | 1650 | 1.4 | 4 | TH | 1638 | 1.1 | 3 |
| ME | 2325 | 5.6 | 1.7 | JE | 2305 | 5.9 | 1.8 |
| 6 | 0525 | 2.4 | 7 | 21 | 0505 | 2.1 | 6 |
| | 1120 | 5.0 | 1.5 | | 1055 | 5.4 | 1.6 |
| TH | 1735 | 1.6 | 5 | FR | 1715 | 1.2 | 4 |
| JE | | | | VE | 2345 | 5.7 | 1.7 |
| 7 | 0010 | 5.4 | 1.6 | 22 | 0540 | 1.9 | 6 |
| | 0600 | 2.5 | 8 | | 1145 | 5.4 | 1.6 |
| FR | 1205 | 5.0 | 1.5 | SA | 1800 | 1.4 | 4 |
| VE | 1820 | 1.9 | 6 | SA | | | |
| 8 | 0050 | 5.2 | 1.6 | 23 | 0025 | 5.5 | 1.7 |
| | 0640 | 2.6 | 8 | | 0625 | 1.8 | 5 |
| SA | 1255 | 5.0 | 1.5 | SU | 1240 | 5.4 | 1.6 |
| SA | 1905 | 2.2 | 7 | DI | 1850 | 1.7 | 5 |
| 9 | 0130 | 5.0 | 1.5 | 24 | 0110 | 5.2 | 1.6 |
| | 0720 | 2.6 | 8 | | 0710 | 1.8 | 5 |
| SU | 1345 | 4.9 | 1.5 | MO | 1335 | 5.3 | 1.6 |
| DI | 1950 | 2.5 | 8 | LU | 1940 | 2.0 | 6 |
| 10 | 0205 | 4.8 | 1.5 | 25 | 0200 | 5.0 | 1.5 |
| | 0800 | 2.7 | 8 | | 0800 | 1.8 | 5 |
| MO | 1435 | 4.9 | 1.5 | TU | 1440 | 5.1 | 1.6 |
| LU | 2035 | 2.8 | 9 | MA | 2040 | 2.3 | 7 |
| 11 | 0245 | 4.6 | 1.4 | 26 | 0250 | 4.7 | 1.4 |
| | 0845 | 2.7 | 8 | | 0900 | 1.9 | 6 |
| TU | 1530 | 4.8 | 1.5 | WE | 1550 | 5.0 | 1.5 |
| MA | 2125 | 3.0 | 9 | ME | 2150 | 2.6 | 8 |
| 12 | 0325 | 4.5 | 1.4 | 27 | 0355 | 4.5 | 1.4 |
| | 0935 | 2.7 | 8 | | 1015 | 1.9 | 6 |
| WE | 1630 | 4.8 | 1.5 | TH | 1700 | 5.0 | 1.5 |
| ME | 2225 | 3.2 | 1.0 | JE | 2315 | 2.7 | 8 |
| 13 | 0415 | 4.4 | 1.3 | 28 | 0505 | 4.5 | 1.4 |
| | 1035 | 2.7 | 8 | | 1130 | 1.8 | 5 |
| TH | 1730 | 4.8 | 1.5 | FR | 1815 | 5.1 | 1.6 |
| JE | 2340 | 3.3 | 1.0 | VE | | | |
| 14 | 0515 | 4.3 | 1.3 | 29 | 0035 | 2.7 | 8 |
| | 1135 | 2.5 | 8 | | 0615 | 4.5 | 1.4 |
| FR | 1835 | 5.0 | 1.5 | SA | 1235 | 1.7 | 5 |
| VE | | | | SA | 1920 | 5.2 | 1.6 |
| 15 | 0050 | 3.2 | 1.0 | 30 | 0135 | 2.7 | 8 |
| | 0615 | 4.4 | 1.3 | | 0710 | 4.6 | 1.4 |
| SA | 1235 | 2.3 | 7 | SU | 1330 | 1.6 | 5 |
| SA | 1930 | 5.2 | 1.6 | DI | 2015 | 5.4 | 1.6 |
| | | | | 31 | 0230 | 2.6 | 8 |
| | | | | | 0805 | 4.8 | 1.5 |
| | | | | MO | 1425 | 1.4 | 4 |
| | | | | LU | 2105 | 5.5 | 1.7 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0310 | 2.5 | 8 | 16 | 0240 | 2.4 | 7 |
| | 0850 | 4.9 | 1.5 | | 0820 | 5.1 | 1.6 |
| TU | 1510 | 1.4 | 4 | WE | 1440 | 1.3 | 4 |
| MA | 2145 | 5.5 | 1.7 | ME | 2120 | 5.8 | 1.8 |
| 2 | 0345 | 2.4 | 7 | 17 | 0320 | 2.1 | 6 |
| | 0935 | 5.1 | 1.6 | | 0905 | 5.4 | 1.6 |
| WE | 1555 | 1.5 | 5 | TH | 1525 | 1.1 | 3 |
| ME | 2225 | 5.5 | 1.7 | JE | 2200 | 5.9 | 1.8 |
| 3 | 0420 | 2.3 | 7 | 18 | 0355 | 1.8 | 5 |
| | 1015 | 5.2 | 1.6 | | 0955 | 5.6 | 1.7 |
| TH | 1635 | 1.6 | 5 | FR | 1610 | 1.1 | 3 |
| JE | 2300 | 5.5 | 1.7 | VE | 2235 | 5.9 | 1.8 |
| 4 | 0455 | 2.3 | 7 | 19 | 0435 | 1.6 | 5 |
| | 1055 | 5.2 | 1.6 | | 1040 | 5.7 | 1.7 |
| FR | 1715 | 1.7 | 5 | SA | 1655 | 1.2 | 4 |
| VE | 2335 | 5.4 | 1.6 | SA | 2315 | 5.7 | 1.7 |
| 5 | 0525 | 2.3 | 7 | 20 | 0515 | 1.5 | 5 |
| | 1140 | 5.3 | 1.6 | | 1130 | 5.7 | 1.7 |
| SA | 1750 | 2.0 | 6 | SU | 1740 | 1.4 | 4 |
| SA | | | | DI | 2355 | 5.5 | 1.7 |
| 6 | 0005 | 5.3 | 1.6 | 21 | 0555 | 1.4 | 4 |
| | 0600 | 2.3 | 7 | | 1225 | 5.6 | 1.7 |
| SU | 1220 | 5.2 | 1.6 | MO | 1825 | 1.7 | 5 |
| DI | 1830 | 2.2 | 7 | LU | | | |
| 7 | 0035 | 5.1 | 1.6 | 22 | 0040 | 5.2 | 1.6 |
| | 0635 | 2.3 | 7 | | 0640 | 1.5 | 5 |
| MO | 1300 | 5.1 | 1.6 | TU | 1320 | 5.4 | 1.6 |
| LU | 1905 | 2.5 | 8 | MA | 1920 | 2.1 | 6 |
| 8 | 0105 | 4.9 | 1.5 | 23 | 0130 | 4.9 | 1.5 |
| | 0710 | 2.4 | 7 | | 0735 | 1.7 | 5 |
| TU | 1345 | 5.0 | 1.5 | WE | 1420 | 5.2 | 1.6 |
| MA | 1940 | 2.8 | 9 | ME | 2015 | 2.5 | 8 |
| 9 | 0135 | 4.7 | 1.4 | 24 | 0225 | 4.6 | 1.4 |
| | 0745 | 2.5 | 8 | | 0835 | 1.8 | 5 |
| WE | 1430 | 4.9 | 1.5 | TH | 1535 | 5.0 | 1.5 |
| ME | 2025 | 3.1 | 9 | JE | 2130 | 2.8 | 9 |
| 10 | 0210 | 4.5 | 1.4 | 25 | 0335 | 4.4 | 1.3 |
| | 0830 | 2.6 | 8 | | 0955 | 1.9 | 6 |
| TH | 1535 | 4.7 | 1.4 | FR | 1650 | 4.9 | 1.5 |
| JE | 2120 | 3.3 | 1.0 | VE | 2310 | 3.0 | 9 |
| 11 | 0255 | 4.3 | 1.3 | 26 | 0450 | 4.3 | 1.3 |
| | 0935 | 2.6 | 8 | | 1115 | 1.9 | 6 |
| FR | 1650 | 4.7 | 1.4 | SA | 1805 | 4.9 | 1.5 |
| VE | 2250 | 3.6 | 1.1 | SA | | | |
| 12 | 0415 | 4.2 | 1.3 | 27 | 0035 | 2.9 | 9 |
| | 1055 | 2.5 | 8 | | 0600 | 4.4 | 1.3 |
| SA | 1805 | 4.8 | 1.5 | SU | 1230 | 1.8 | 5 |
| SA | | | | DI | 1915 | 5.0 | 1.5 |
| 13 | 0020 | 3.4 | 1.0 | 28 | 0135 | 2.8 | 9 |
| | 0535 | 4.3 | 1.3 | | 0700 | 4.6 | 1.4 |
| SU | 1205 | 2.2 | 7 | MO | 1330 | 1.7 | 5 |
| DI | 1905 | 5.1 | 1.6 | LU | 2010 | 5.2 | 1.6 |
| 14 | 0120 | 3.1 | 9 | 29 | 0220 | 2.6 | 8 |
| | 0640 | 4.5 | 1.4 | | 0755 | 4.8 | 1.5 |
| MO | 1305 | 1.9 | 6 | TU | 1420 | 1.6 | 5 |
| LU | 1955 | 5.4 | 1.6 | MA | 2050 | 5.3 | 1.6 |
| 15 | 0200 | 2.8 | 9 | 30 | 0255 | 2.5 | 8 |
| | 0735 | 4.8 | 1.5 | | 0840 | 5.0 | 1.5 |
| TU | 1355 | 1.5 | 5 | WE | 1500 | 1.6 | 5 |
| MA | 2040 | 5.6 | 1.7 | ME | 2125 | 5.4 | 1.6 |
| | | | | 31 | 0325 | 2.3 | 7 |
| | | | | | 0920 | 5.2 | 1.6 |
| | | | | TH | 1540 | 1.7 | 5 |
| | | | | JE | 2200 | 5.4 | 1.6 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0350 | 2.2 | 7 | 16 | 0325 | 1.3 | 4 |
| | 1000 | 5.4 | 1.6 | | 0940 | 5.9 | 1.8 |
| FR | 1615 | 1.8 | 5 | SA | 1550 | 1.2 | 4 |
| VE | 2225 | 5.4 | 1.6 | SA | 2205 | 5.8 | 1.8 |
| 2 | 0420 | 2.1 | 6 | 17 | 0410 | 1.2 | 4 |
| | 1035 | 5.5 | 1.7 | | 1025 | 5.9 | 1.8 |
| SA | 1645 | 1.9 | 6 | SU | 1635 | 1.4 | 4 |
| SA | 2255 | 5.4 | 1.6 | DI | 2250 | 5.6 | 1.7 |
| 3 | 0450 | 2.0 | 6 | 18 | 0450 | 1.1 | 3 |
| | 1110 | 5.5 | 1.7 | | 1115 | 5.9 | 1.8 |
| SU | 1720 | 2.1 | 6 | MO | 1725 | 1.6 | 5 |
| DI | 2325 | 5.2 | 1.6 | LU | 2330 | 5.4 | 1.6 |
| 4 | 0520 | 2.1 | 6 | 19 | 0535 | 1.2 | 4 |
| | 1145 | 5.4 | 1.6 | | 1210 | 5.7 | 1.7 |
| MO | 1750 | 2.4 | 7 | TU | 1810 | 1.9 | 6 |
| LU | 2350 | 5.1 | 1.6 | MA | | | |
| 5 | 0550 | 2.2 | 7 | 20 | 0015 | 5.1 | 1.6 |
| | 1220 | 5.3 | 1.6 | | 0620 | 1.4 | 4 |
| TU | 1825 | 2.6 | 8 | WE | 1305 | 5.5 | 1.7 |
| MA | | | | ME | 1900 | 2.3 | 7 |
| 6 | 0015 | 4.8 | 1.5 | 21 | 0105 | 4.7 | 1.4 |
| | 0625 | 2.3 | 7 | | 0715 | 1.6 | 5 |
| WE | 1305 | 5.1 | 1.6 | TH | 1405 | 5.2 | 1.6 |
| ME | 1900 | 2.9 | 9 | JE | 2000 | 2.7 | 8 |
| 7 | 0040 | 4.6 | 1.4 | 22 | 0205 | 4.5 | 1.4 |
| | 0700 | 2.4 | 7 | | 0815 | 1.9 | 6 |
| TH | 1350 | 4.9 | 1.5 | FR | 1520 | 5.0 | 1.5 |
| JE | 1940 | 3.2 | 1.0 | VE | 2125 | 3.0 | 9 |
| 8 | 0110 | 4.4 | 1.3 | 23 | 0320 | 4.3 | 1.3 |
| | 0745 | 2.5 | 8 | | 0940 | 2.1 | 6 |
| FR | 1455 | 4.7 | 1.4 | SA | 1635 | 4.8 | 1.5 |
| VE | 2035 | 3.5 | 1.1 | SA | 2310 | 3.1 | 9 |
| 9 | 0205 | 4.2 | 1.3 | 24 | 0440 | 4.3 | 1.3 |
| | 0855 | 2.6 | 8 | | 1110 | 2.1 | 6 |
| SA | 1620 | 4.6 | 1.4 | SU | 1755 | 4.8 | 1.5 |
| SA | 2220 | 3.5 | 1.1 | DI | | | |
| 10 | 0340 | 4.2 | 1.3 | 25 | 0030 | 3.0 | 9 |
| | 1030 | 2.5 | 8 | | 0555 | 4.4 | 1.3 |
| SU | 1735 | 4.8 | 1.5 | MO | 1220 | 2.1 | 6 |
| DI | 2350 | 3.3 | 1.0 | LU | 1905 | 4.9 | 1.5 |
| 11 | 0510 | 4.3 | 1.3 | 26 | 0120 | 2.8 | 9 |
| | 1145 | 2.2 | 7 | | 0655 | 4.7 | 1.4 |
| MO | 1835 | 5.0 | 1.5 | TU | 1320 | 2.0 | 6 |
| LU | | | | MA | 1950 | 5.1 | 1.6 |
| 12 | 0045 | 2.9 | 9 | 27 | 0200 | 2.6 | 8 |
| | 0620 | 4.6 | 1.4 | | 0745 | 5.0 | 1.5 |
| TU | 1245 | 1.9 | 6 | WE | 1410 | 1.9 | 6 |
| MA | 1925 | 5.3 | 1.6 | ME | 2030 | 5.2 | 1.6 |
| 13 | 0130 | 2.5 | 8 | 28 | 0225 | 2.4 | 7 |
| | 0715 | 5.0 | 1.5 | | 0830 | 5.3 | 1.6 |
| WE | 1335 | 1.6 | 5 | TH | 1445 | 1.9 | 6 |
| ME | 2005 | 5.5 | 1.7 | JE | 2100 | 5.2 | 1.6 |
| 14 | 0210 | 2.1 | 6 | 29 | 0255 | 2.2 | 7 |
| | 0805 | 5.4 | 1.6 | | 0905 | 5.5 | 1.7 |
| TH | 1420 | 1.3 | 4 | FR | 1520 | 2.0 | 6 |
| JE | 2045 | 5.7 | 1.7 | VE | 2125 | 5.3 | 1.6 |
| 15 | 0250 | 1.6 | 5 | 30 | 0320 | 2.0 | 6 |
| | 0850 | 5.7 | 1.7 | | 0940 | 5.6 | 1.7 |
| FR | 1505 | 1.2 | 4 | SA | 1550 | 2.1 | 6 |
| VE | 2125 | 5.8 | 1.8 | SA | 2150 | 5.3 | 1.6 |

V-1

## TABLE DES MARÉES

# PORT AUX BASQUES (HNTN Z - 3½)

1989

### OCTOBER-OCTOBRE

| Day | Time | HR ft | HR m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0345 | 1.9 | 6 | 16 | 0345 | .9 | 3 |
| | 1010 | 5.7 | 17 | | 1015 | 6.2 | 19 |
| SU | 1620 | 2.2 | 7 | MO | 1620 | 1.6 | 5 |
| DI | 2215 | 5.3 | 16 | LU | 2220 | 5.5 | 17 |
| 2 | 0415 | 1.9 | 6 | 17 | 0425 | 1.0 | 3 |
| | 1045 | 5.7 | 17 | | 1105 | 5.1 | 19 |
| MO | 1650 | 2.4 | 7 | TU | 1710 | 1.3 | 6 |
| LU | 2245 | 5.1 | 16 | MA | 2305 | 5.2 | 16 |
| 3 | 0445 | 2.0 | 6 | 18 | 0510 | 1.1 | 3 |
| | 1120 | 5.6 | 17 | | 1155 | 5.9 | 18 |
| TU | 1720 | 2.6 | 8 | WE | 1755 | 2.2 | 7 |
| MA | 2310 | 5.0 | 15 | ME | 2355 | 5.0 | 15 |
| 4 | 0515 | 2.1 | 6 | 19 | 0600 | 1.4 | 4 |
| | 1155 | 5.4 | 16 | | 1250 | 5.7 | 17 |
| WE | 1755 | 2.9 | 9 | TH | 1850 | 2.5 | 8 |
| ME | 2335 | 4.8 | 15 | JE | | | |
| 5 | 0550 | 2.2 | 7 | 20 | 0045 | 4.7 | 14 |
| | 1240 | 5.2 | 16 | | 0655 | 1.7 | 5 |
| TH | 1830 | 3.1 | 9 | FR | 1350 | 5.4 | 16 |
| JE | | | | VE | 1950 | 2.9 | 9 |
| 6 | 0000 | 4.6 | 14 | 21 | 0150 | 4.4 | 13 |
| | 0630 | 2.4 | 7 | | 0800 | 2.0 | 6 |
| FR | 1330 | 5.0 | 15 | SA | 1500 | 5.1 | 16 |
| VE | 1915 | 3.3 | 10 | SA | 2115 | 3.1 | 9 |
| 7 | 0040 | 4.4 | 13 | 22 | 0305 | 4.3 | 13 |
| | 0720 | 2.5 | 8 | | 0925 | 2.3 | 7 |
| SA | 1435 | 4.8 | 15 | SU | 1615 | 4.9 | 15 |
| SA | 2020 | 3.5 | 11 | DI | 2250 | 3.2 | 10 |
| 8 | 0150 | 4.3 | 13 | 23 | 0425 | 4.4 | 13 |
| | 0835 | 2.6 | 8 | | 1050 | 2.4 | 7 |
| SU | 1550 | 4.7 | 14 | MO | 1730 | 4.8 | 15 |
| DI | 2155 | 3.4 | 10 | LU | | | |
| 9 | 0330 | 4.3 | 13 | 24 | 0000 | 3.0 | 9 |
| | 1005 | 2.5 | 8 | | 0540 | 4.6 | 14 |
| MO | 1655 | 4.8 | 15 | TU | 1205 | 2.4 | 7 |
| LU | 2310 | 3.1 | 9 | MA | 1830 | 4.9 | 15 |
| 10 | 0455 | 4.5 | 14 | 25 | 0045 | 2.8 | 9 |
| | 1120 | 2.3 | 7 | | 0640 | 4.9 | 15 |
| TU | 1755 | 5.0 | 15 | WE | 1300 | 2.4 | 7 |
| MA | | | | ME | 1915 | 4.9 | 15 |
| 11 | 0005 | 2.7 | 8 | 26 | 0120 | 2.6 | 8 |
| | 0600 | 4.9 | 15 | | 0730 | 5.2 | 16 |
| WE | 1220 | 2.0 | 6 | TH | 1345 | 2.4 | 7 |
| ME | 1845 | 5.2 | 16 | JE | 1950 | 5.0 | 15 |
| 12 | 0055 | 2.2 | 7 | 27 | 0150 | 2.3 | 7 |
| | 0655 | 5.3 | 16 | | 0810 | 5.5 | 17 |
| TH | 1315 | 1.8 | 5 | FR | 1420 | 2.4 | 7 |
| JE | 1930 | 5.4 | 16 | VE | 2020 | 5.1 | 16 |
| 13 | 0135 | 1.7 | 5 | 28 | 0220 | 2.1 | 6 |
| | 0745 | 5.6 | 17 | | 0845 | 5.6 | 17 |
| FR | 1400 | 1.6 | 5 | SA | 1455 | 2.4 | 7 |
| VE | 2015 | 5.6 | 17 | SA | 2045 | 5.2 | 16 |
| 14 | 0220 | 1.3 | 4 | 29 | 0245 | 2.0 | 6 |
| | 0835 | 5.9 | 18 | | 0915 | 5.8 | 18 |
| SA | 1450 | 1.5 | 5 | SU | 1525 | 2.5 | 8 |
| SA | 2055 | 5.7 | 17 | DI | 2115 | 5.2 | 16 |
| 15 | 0300 | 1.1 | 3 | 30 | 0315 | 1.9 | 6 |
| | 0925 | 6.1 | 19 | | 0950 | 5.8 | 18 |
| SU | 1535 | 1.5 | 5 | MO | 1555 | 2.6 | 8 |
| DI | 2140 | 5.6 | 17 | LU | 2140 | 5.1 | 16 |
| | | | | 31 | 0345 | 1.9 | 6 |
| | | | | | 1025 | 5.8 | 18 |
| | | | | TU | 1630 | 2.7 | 8 |
| | | | | MA | 2210 | 5.0 | 15 |

### NOVEMBER-NOVEMBRE

| Day | Time | HR ft | HR m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0115 | 1.9 | 6 | 16 | 0455 | 1.2 | 4 |
| | 1105 | 5.7 | 17 | | 1140 | 6.1 | 19 |
| WE | 1705 | 2.9 | 9 | TH | 1745 | 2.4 | 7 |
| ME | 2235 | 4.9 | 15 | JE | 2335 | 5.0 | 15 |
| 2 | 0450 | 2.0 | 6 | 17 | 0545 | 1.4 | 4 |
| | 1145 | 5.6 | 17 | | 1235 | 5.8 | 18 |
| TH | 1740 | 3.1 | 9 | FR | 1835 | 2.7 | 8 |
| JE | 2310 | 4.8 | 15 | VE | | | |
| 3 | 0530 | 2.1 | 6 | 18 | 0025 | 4.8 | 15 |
| | 1230 | 5.4 | 16 | | 0640 | 1.8 | 5 |
| FR | 1820 | 3.2 | 10 | SA | 1330 | 5.5 | 17 |
| VE | 2345 | 4.6 | 14 | SA | 1935 | 2.9 | 9 |
| 4 | 0615 | 2.3 | 7 | 19 | 0130 | 4.6 | 14 |
| | 1320 | 5.2 | 16 | | 0740 | 2.1 | 6 |
| SA | 1905 | 3.3 | 10 | SU | 1430 | 5.2 | 16 |
| SA | | | | DI | 2040 | 3.1 | 9 |
| 5 | 0040 | 4.5 | 14 | 20 | 0245 | 4.6 | 14 |
| | 0710 | 2.4 | 7 | | 0855 | 2.4 | 7 |
| SU | 1415 | 5.0 | 15 | MO | 1535 | 5.0 | 15 |
| DI | 2005 | 3.3 | 10 | LU | 2155 | 3.1 | 9 |
| 6 | 0155 | 4.5 | 14 | 21 | 0355 | 4.7 | 14 |
| | 0820 | 2.5 | 8 | | 1010 | 2.7 | 8 |
| MO | 1510 | 4.9 | 15 | TU | 1640 | 4.8 | 15 |
| LU | 2115 | 3.1 | 9 | MA | 2300 | 3.0 | 9 |
| 7 | 0315 | 4.6 | 14 | 22 | 0505 | 4.9 | 15 |
| | 0935 | 2.5 | 8 | | 1125 | 2.8 | 9 |
| TU | 1610 | 4.9 | 15 | WE | 1735 | 4.8 | 15 |
| MA | 2220 | 2.8 | 9 | ME | 2350 | 2.9 | 9 |
| 8 | 0430 | 4.8 | 15 | 23 | 0605 | 5.1 | 16 |
| | 1045 | 2.4 | 7 | | 1225 | 2.9 | 9 |
| WE | 1705 | 5.0 | 15 | TH | 1825 | 4.8 | 15 |
| ME | 2320 | 2.4 | 7 | JE | | | |
| 9 | 0535 | 5.1 | 16 | 24 | 0030 | 2.7 | 8 |
| | 1150 | 2.3 | 7 | | 0655 | 5.3 | 16 |
| TH | 1800 | 5.1 | 16 | FR | 1310 | 2.9 | 9 |
| | | | | VE | 1900 | 4.9 | 15 |
| 10 | 0015 | 2.0 | 6 | 25 | 0105 | 2.4 | 7 |
| | 0635 | 5.5 | 17 | | 0740 | 5.5 | 17 |
| FR | 1250 | 2.2 | 7 | SA | 1350 | 2.9 | 9 |
| VE | 1855 | 5.3 | 16 | SA | 1935 | 4.9 | 15 |
| 11 | 0105 | 1.6 | 5 | 26 | 0140 | 2.3 | 7 |
| | 0730 | 5.8 | 18 | | 0820 | 5.7 | 17 |
| SA | 1345 | 2.0 | 6 | SU | 1425 | 2.9 | 9 |
| SA | 1945 | 5.4 | 16 | DI | 2005 | 5.0 | 15 |
| 12 | 0155 | 1.2 | 4 | 27 | 0210 | 2.1 | 6 |
| | 0825 | 6.1 | 19 | | 0855 | 5.8 | 18 |
| SU | 1435 | 1.9 | 6 | MO | 1500 | 2.5 | 8 |
| DI | 2030 | 5.5 | 17 | LU | 2040 | 5.0 | 15 |
| 13 | 0240 | 1.0 | 3 | 28 | 0245 | 2.0 | 6 |
| | 0915 | 6.2 | 19 | | 0930 | 5.9 | 18 |
| MO | 1525 | 1.9 | 6 | TU | 1535 | 2.9 | 9 |
| LU | 2115 | 5.5 | 17 | MA | 2110 | 5.0 | 15 |
| 14 | 0325 | .8 | 3 | 29 | 0320 | 1.9 | 6 |
| | 1000 | 6.3 | 19 | | 1010 | 6.0 | 18 |
| TU | 1610 | 2.0 | 6 | WE | 1615 | 3.0 | 9 |
| MA | 2200 | 5.4 | 16 | ME | 2145 | 5.0 | 15 |
| 15 | 0410 | 1.0 | 3 | 30 | 0400 | 1.9 | 6 |
| | 1050 | 6.3 | 19 | | 1050 | 5.9 | 18 |
| WE | 1655 | 2.1 | 6 | TH | 1650 | 3.0 | 9 |
| ME | 2245 | 5.2 | 16 | JE | 2220 | 5.0 | 15 |

### DECEMBER-DECEMBRE

| Day | Time | HR ft | HR m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0440 | 1.9 | 6 | 16 | 0530 | 1.6 | 5 |
| | 1130 | 5.8 | 18 | | 1215 | 5.9 | 18 |
| FR | 1730 | 3.1 | 9 | SA | 1815 | 2.7 | 8 |
| VE | 2255 | 4.9 | 15 | SA | | | |
| 2 | 0520 | 2.0 | 6 | 17 | 0005 | 5.0 | 15 |
| | 1215 | 5.7 | 17 | | 0620 | 1.9 | 6 |
| SA | 1810 | 3.1 | 9 | SU | 1300 | 5.6 | 17 |
| SA | 2340 | 4.9 | 15 | DI | 1900 | 2.8 | 9 |
| 3 | 0605 | 2.1 | 6 | 18 | 0105 | 4.9 | 15 |
| | 1255 | 5.5 | 17 | | 0715 | 2.2 | 7 |
| SU | 1850 | 3.0 | 9 | MO | 1350 | 5.3 | 16 |
| | | | | LU | 1950 | 2.9 | 9 |
| 4 | 0035 | 4.9 | 15 | 19 | 0205 | 4.9 | 15 |
| | 0700 | 2.2 | 7 | | 0810 | 2.6 | 8 |
| MO | 1340 | 5.3 | 16 | TU | 1440 | 5.1 | 16 |
| LU | 1935 | 2.9 | 9 | MA | 2040 | 3.0 | 9 |
| 5 | 0140 | 4.9 | 15 | 20 | 0310 | 4.9 | 15 |
| | 0755 | 2.4 | 7 | | 0910 | 2.9 | 9 |
| TU | 1430 | 5.2 | 16 | WE | 1530 | 4.9 | 15 |
| MA | 2030 | 2.8 | 9 | ME | 2135 | 3.0 | 9 |
| 6 | 0250 | 5.0 | 15 | 21 | 0415 | 5.0 | 15 |
| | 0900 | 2.5 | 8 | | 1015 | 3.1 | 9 |
| WE | 1520 | 5.0 | 15 | TH | 1620 | 4.7 | 14 |
| ME | 2130 | 2.5 | 8 | JE | 2230 | 2.9 | 9 |
| 7 | 0400 | 5.1 | 16 | 22 | 0515 | 5.1 | 16 |
| | 1005 | 2.6 | 8 | | 1120 | 3.3 | 10 |
| TH | 1620 | 5.0 | 15 | FR | 1710 | 4.7 | 14 |
| JE | 2235 | 2.2 | 7 | VE | 2325 | 2.8 | 9 |
| 8 | 0510 | 5.3 | 16 | 23 | 0615 | 5.2 | 16 |
| | 1120 | 2.6 | 8 | | 1220 | 3.4 | 10 |
| FR | 1720 | 5.0 | 15 | SA | 1800 | 4.7 | 14 |
| VE | 2340 | 1.9 | 6 | SA | | | |
| 9 | 0615 | 5.5 | 17 | 24 | 0015 | 2.6 | 8 |
| | 1225 | 2.6 | 8 | | 0705 | 5.3 | 16 |
| SA | 1820 | 5.1 | 16 | SU | 1315 | 3.4 | 10 |
| | | | | DI | 1845 | 4.7 | 14 |
| 10 | 0040 | 1.6 | 5 | 25 | 0100 | 2.5 | 8 |
| | 0715 | 5.8 | 18 | | 0750 | 5.5 | 17 |
| SU | 1330 | 2.4 | 7 | MO | 1400 | 3.3 | 10 |
| DI | 1920 | 5.2 | 16 | LU | 1930 | 4.8 | 15 |
| 11 | 0130 | 1.3 | 4 | 26 | 0140 | 2.3 | 7 |
| | 0810 | 6.0 | 18 | | 0835 | 5.7 | 17 |
| MO | 1420 | 2.3 | 7 | TU | 1440 | 3.2 | 10 |
| LU | 2010 | 5.3 | 16 | MA | 2010 | 4.9 | 15 |
| 12 | 0220 | 1.1 | 3 | 27 | 0220 | 2.1 | 6 |
| | 0900 | 6.2 | 19 | | 0915 | 5.9 | 18 |
| TU | 1510 | 2.2 | 7 | WE | 1520 | 3.1 | 9 |
| MA | 2055 | 5.3 | 16 | ME | 2045 | 5.0 | 15 |
| 13 | 0305 | 1.1 | 3 | 28 | 0305 | 1.9 | 6 |
| | 0950 | 6.3 | 19 | | 0955 | 6.0 | 18 |
| WE | 1600 | 2.3 | 7 | TH | 1600 | 3.0 | 9 |
| ME | 2140 | 5.3 | 16 | JE | 2125 | 5.1 | 16 |
| 14 | 0355 | 1.1 | 3 | 29 | 0345 | 1.7 | 5 |
| | 1035 | 6.3 | 19 | | 1035 | 6.1 | 19 |
| TH | 1645 | 2.4 | 7 | FR | 1635 | 2.9 | 9 |
| JE | 2230 | 5.2 | 16 | VE | 2205 | 5.2 | 16 |
| 15 | 0440 | 1.3 | 4 | 30 | 0425 | 1.7 | 5 |
| | 1125 | 6.1 | 19 | | 1110 | 6.1 | 19 |
| FR | 1730 | 2.5 | 8 | SA | 1710 | 2.8 | 9 |
| VE | 2315 | 5.1 | 16 | SA | 2245 | 5.3 | 16 |
| | | | | 31 | 0510 | 1.7 | 5 |
| | | | | | 1150 | 5.9 | 18 |
| | | | | SU | 1745 | 2.7 | 8 |
| | | | | DI | 2335 | 5.3 | 16 |

V-1

# ARGENTIA ($z^{NST}_{-3½}$)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0235 | **6.3** | 1 9 | 16 | 0300 | **6.8** | 2 1 |
| | 0830 | **3.3** | 1 0 | | 0840 | **2.8** | 9 |
| SU | 1445 | **5.8** | 1 8 | MO | 1545 | **6.0** | 1 8 |
| DI | 2030 | **3.3** | 1 0 | LU | 2050 | **2.8** | 8 |
| 2 | 0330 | **6.4** | 2 0 | 17 | 0415 | **6.9** | 2 1 |
| | 0945 | **3.3** | 1 0 | | 1050 | **2.8** | 9 |
| MO | 1545 | **5.8** | 1 8 | TU | 1655 | **5.9** | 1 8 |
| LU | 2135 | **3.1** | 9 | MA | 2210 | **2.8** | 8 |
| 3 | 0425 | **6.6** | 2 0 | 18 | 0520 | **7.1** | 2 2 |
| | 1045 | **3.2** | 1 0 | | 1155 | **2.7** | 8 |
| TU | 1645 | **5.9** | 1 8 | WE | 1755 | **6.0** | 1 8 |
| MA | 2225 | **2.9** | 9 | ME | 2315 | **2.5** | 8 |
| 4 | 0520 | **7.0** | 2 1 | 19 | 0620 | **7.3** | 2 2 |
| | 1140 | **3.0** | 9 | | 1245 | **2.6** | 8 |
| WE | 1740 | **6.1** | 1 9 | TH | 1845 | **6.2** | 1 9 |
| ME | 2315 | **2.6** | 8 | JE | | | |
| 5 | 0615 | **7.4** | 2 3 | 20 | 0010 | **2.4** | 7 |
| | 1230 | **2.7** | 8 | | 0710 | **7.5** | 2 3 |
| TH | 1825 | **6.3** | 1 9 | FR | 1325 | **2.5** | 8 |
| JE | | | | VE | 1930 | **6.4** | 2 0 |
| 6 | 0005 | **2.3** | 7 | 21 | 0100 | **2.2** | 7 |
| | 0700 | **7.8** | 2 4 | | 0755 | **7.7** | 2 3 |
| FR | 1320 | **2.5** | 8 | SA | 1400 | **2.4** | 7 |
| VE | 1910 | **6.6** | 2 0 | SA | 2005 | **6.5** | 2 0 |
| 7 | 0055 | **2.0** | 6 | 22 | 0150 | **2.1** | 6 |
| | 0750 | **8.2** | 2 5 | | 0835 | **7.7** | 2 3 |
| SA | 1400 | **2.2** | 7 | SU | 1430 | **2.2** | 7 |
| SA | 1955 | **6.8** | 2 1 | DI | 2045 | **6.6** | 2 0 |
| 8 | 0140 | **1.7** | 5 | 23 | 0230 | **1.9** | 6 |
| | 0835 | **8.4** | 2 6 | | 0910 | **7.7** | 2 3 |
| SU | 1440 | **1.9** | 6 | MO | 1500 | **2.1** | 6 |
| DI | 2040 | **7.0** | 2 1 | LU | 2120 | **6.7** | 2 0 |
| 9 | 0230 | **1.5** | 5 | 24 | 0310 | **1.9** | 6 |
| | 0915 | **8.4** | 2 6 | | 0945 | **7.6** | 2 3 |
| MO | 1515 | **1.7** | 5 | TU | 1535 | **2.0** | 6 |
| LU | 2125 | **7.0** | 2 1 | MA | 2200 | **6.7** | 2 0 |
| 10 | 0315 | **1.4** | 4 | 25 | 0350 | **1.9** | 6 |
| | 1000 | **8.3** | 2 5 | | 1020 | **7.3** | 2 2 |
| TU | 1550 | **1.5** | 5 | WE | 1610 | **2.0** | 6 |
| MA | 2210 | **7.1** | 2 2 | ME | 2240 | **6.7** | 2 0 |
| 11 | 0355 | **1.3** | 4 | 26 | 0430 | **2.0** | 6 |
| | 1045 | **8.1** | 2 5 | | 1055 | **7.1** | 2 2 |
| WE | 1625 | **1.5** | 5 | TH | 1640 | **2.1** | 6 |
| ME | 2305 | **7.1** | 2 2 | JE | 2320 | **6.6** | 2 0 |
| 12 | 0440 | **1.4** | 4 | 27 | 0505 | **2.2** | 7 |
| | 1135 | **7.7** | 2 3 | | 1135 | **6.7** | 2 0 |
| TH | 1705 | **1.6** | 5 | FR | 1715 | **2.3** | 7 |
| JE | 2355 | **7.0** | 2 1 | VE | | | |
| 13 | 0525 | **1.6** | 5 | 28 | 0000 | **6.6** | 2 0 |
| | 1225 | **7.2** | 2 2 | | 0540 | **2.5** | 8 |
| FR | 1750 | **1.8** | 5 | SA | 1210 | **6.4** | 2 0 |
| VE | | | | SA | 1745 | **2.6** | 8 |
| 14 | 0050 | **6.9** | 2 1 | 29 | 0040 | **6.5** | 2 0 |
| | 0615 | **2.0** | 6 | | 0620 | **2.9** | 9 |
| SA | 1320 | **6.7** | 2 0 | SU | 1250 | **6.0** | 1 8 |
| SA | 1835 | **2.1** | 6 | DI | 1820 | **2.8** | 9 |
| 15 | 0155 | **6.9** | 2 1 | 30 | 0125 | **6.4** | 2 0 |
| | 0710 | **2.4** | 7 | | 0705 | **3.2** | 1 0 |
| SU | 1425 | **6.3** | 1 9 | MO | 1340 | **5.7** | 1 7 |
| DI | 1935 | **2.4** | 7 | LU | 1905 | **3.0** | 9 |
| | | | | 31 | 0230 | **6.4** | 2 0 |
| | | | | | 0820 | **3.5** | 1 1 |
| | | | | TU | 1445 | **5.5** | 1 7 |
| | | | | MA | 2005 | **3.1** | 9 |

### FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0340 | **6.5** | 2 0 | 16 | 0510 | **6.7** | 2 0 |
| | 1020 | **3.5** | 1 1 | | 1210 | **2.9** | 9 |
| WE | 1605 | **5.5** | 1 7 | TH | 1745 | **5.7** | 1 7 |
| ME | 2130 | **3.1** | 9 | JE | 2325 | **2.8** | 9 |
| 2 | 0450 | **6.8** | 2 1 | 17 | 0615 | **6.8** | 2 1 |
| | 1130 | **3.2** | 1 0 | | 1250 | **2.8** | 9 |
| TH | 1710 | **5.8** | 1 8 | FR | 1835 | **6.0** | 1 8 |
| JE | 2250 | **2.8** | 9 | VE | | | |
| 3 | 0555 | **7.2** | 2 2 | 18 | 0015 | **2.6** | 8 |
| | 1225 | **2.8** | 9 | | 0705 | **7.1** | 2 2 |
| FR | 1805 | **6.2** | 1 9 | SA | 1320 | **2.6** | 8 |
| VE | 2355 | **2.4** | 7 | SA | 1920 | **6.3** | 1 9 |
| 4 | 0645 | **7.7** | 2 3 | 19 | 0100 | **2.3** | 7 |
| | 1310 | **2.3** | 7 | | 0745 | **7.3** | 2 2 |
| SA | 1855 | **6.6** | 2 0 | SU | 1340 | **2.4** | 7 |
| SA | | | | DI | 1955 | **6.5** | 2 0 |
| 5 | 0050 | **1.9** | 6 | 20 | 0140 | **2.0** | 6 |
| | 0735 | **8.1** | 2 5 | | 0820 | **7.4** | 2 3 |
| SU | 1350 | **1.9** | 6 | MO | 1410 | **2.1** | 6 |
| DI | 1945 | **7.0** | 2 1 | LU | 2030 | **6.9** | 2 1 |
| 6 | 0140 | **1.5** | 5 | 21 | 0220 | **1.8** | 5 |
| | 0820 | **8.4** | 2 6 | | 0850 | **7.4** | 2 3 |
| MO | 1425 | **1.4** | 4 | TU | 1440 | **1.9** | 6 |
| LU | 2030 | **7.3** | 2 2 | MA | 2100 | **7.0** | 2 1 |
| 7 | 0225 | **1.2** | 4 | 22 | 0255 | **1.6** | 5 |
| | 0905 | **8.5** | 2 6 | | 0920 | **7.3** | 2 2 |
| TU | 1455 | **1.1** | 3 | WE | 1510 | **1.7** | 5 |
| MA | 2115 | **7.5** | 2 3 | ME | 2135 | **7.1** | 2 2 |
| 8 | 0305 | **.9** | 3 | 23 | 0330 | **1.6** | 5 |
| | 0945 | **8.4** | 2 6 | | 0955 | **7.2** | 2 2 |
| WE | 1530 | **1.0** | 3 | TH | 1540 | **1.7** | 5 |
| ME | 2200 | **7.5** | 2 3 | JE | 2205 | **7.1** | 2 2 |
| 9 | 0345 | **.9** | 3 | 24 | 0405 | **1.6** | 5 |
| | 1030 | **8.0** | 2 4 | | 1025 | **6.9** | 2 1 |
| TH | 1605 | **1.0** | 3 | FR | 1610 | **1.8** | 5 |
| JE | 2245 | **7.5** | 2 3 | VE | 2240 | **7.0** | 2 1 |
| 10 | 0425 | **1.0** | 3 | 25 | 0435 | **1.8** | 5 |
| | 1115 | **7.6** | 2 3 | | 1055 | **6.6** | 2 0 |
| FR | 1645 | **1.1** | 3 | SA | 1635 | **1.9** | 6 |
| VE | 2335 | **7.3** | 2 2 | SA | 2315 | **6.8** | 2 1 |
| 11 | 0505 | **1.3** | 4 | 26 | 0505 | **2.1** | 6 |
| | 1205 | **7.0** | 2 1 | | 1130 | **6.2** | 1 9 |
| SA | 1725 | **1.5** | 5 | SU | 1705 | **2.1** | 6 |
| SA | | | | DI | 2355 | **6.7** | 2 0 |
| 12 | 0030 | **7.1** | 2 2 | 27 | 0540 | **2.5** | 8 |
| | 0550 | **1.8** | 5 | | 1205 | **5.8** | 1 8 |
| SU | 1300 | **6.4** | 2 0 | MO | 1735 | **2.4** | 7 |
| DI | 1805 | **1.9** | 6 | LU | | | |
| 13 | 0130 | **6.8** | 2 1 | 28 | 0040 | **6.5** | 2 0 |
| | 0640 | **2.5** | 8 | | 0615 | **3.0** | 9 |
| MO | 1410 | **5.8** | 1 8 | TU | 1250 | **5.4** | 1 6 |
| LU | 1855 | **2.4** | 7 | MA | 1815 | **2.7** | 8 |
| 14 | 0245 | **6.6** | 2 0 | | | | |
| | 0755 | **3.1** | 9 | | | | |
| TU | 1530 | **5.6** | 1 7 | | | | |
| MA | 2010 | **2.9** | 9 | | | | |
| 15 | 0400 | **6.6** | 2 0 | | | | |
| | 1115 | **3.1** | 9 | | | | |
| WE | 1640 | **5.5** | 1 7 | | | | |
| ME | 2210 | **3.0** | 9 | | | | |

### MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0145 | **6.3** | 1 9 | 16 | 0345 | **6.3** | 1 9 |
| | 0710 | **3.5** | 1 1 | | 1115 | **3.0** | 9 |
| WE | 1405 | **5.2** | 1 6 | TH | 1630 | **5.4** | 1 6 |
| ME | 1910 | **3.0** | 9 | JE | 2235 | **3.0** | 9 |
| 2 | 0305 | **6.3** | 1 9 | 17 | 0500 | **6.3** | 1 9 |
| | 1025 | **3.5** | 1 1 | | 1205 | **2.9** | 9 |
| TH | 1540 | **5.3** | 1 6 | FR | 1735 | **5.6** | 1 7 |
| JE | 2040 | **3.2** | 1 0 | VE | 2330 | **2.8** | 9 |
| 3 | 0425 | **6.6** | 2 0 | 18 | 0605 | **6.5** | 2 0 |
| | 1125 | **3.1** | 9 | | 1235 | **2.7** | 8 |
| FR | 1650 | **5.7** | 1 7 | SA | 1825 | **6.0** | 1 8 |
| VE | 2250 | **2.8** | 9 | SA | | | |
| 4 | 0535 | **7.0** | 2 1 | 19 | 0015 | **2.5** | 8 |
| | 1210 | **2.5** | 8 | | 0655 | **6.7** | 2 0 |
| SA | 1750 | **6.2** | 1 9 | SU | 1255 | **2.5** | 8 |
| SA | 2355 | **2.3** | 7 | DI | 1905 | **6.4** | 2 0 |
| 5 | 0630 | **7.5** | 2 3 | 20 | 0055 | **2.2** | 7 |
| | 1250 | **1.9** | 6 | | 0730 | **6.8** | 2 1 |
| SU | 1845 | **6.8** | 2 1 | MO | 1315 | **2.2** | 7 |
| DI | | | | LU | 1940 | **6.8** | 2 1 |
| 6 | 0045 | **1.7** | 5 | 21 | 0130 | **1.9** | 6 |
| | 0720 | **7.9** | 2 4 | | 0800 | **7.0** | 2 1 |
| MO | 1325 | **1.4** | 4 | TU | 1340 | **1.9** | 6 |
| LU | 1930 | **7.3** | 2 2 | MA | 2005 | **7.0** | 2 1 |
| 7 | 0130 | **1.2** | 4 | 22 | 0200 | **1.6** | 5 |
| | 0805 | **8.2** | 2 5 | | 0830 | **7.0** | 2 1 |
| TU | 1400 | **.9** | 3 | WE | 1410 | **1.7** | 5 |
| MA | 2015 | **7.7** | 2 3 | ME | 2035 | **7.2** | 2 2 |
| 8 | 0215 | **.8** | 2 | 23 | 0235 | **1.4** | 4 |
| | 0850 | **8.2** | 2 5 | | 0855 | **7.0** | 2 1 |
| WE | 1435 | **.6** | 2 | TH | 1440 | **1.5** | 5 |
| ME | 2100 | **7.9** | 2 4 | JE | 2105 | **7.3** | 2 2 |
| 9 | 0255 | **.6** | 2 | 24 | 0310 | **1.3** | 4 |
| | 0930 | **8.1** | 2 5 | | 0925 | **6.9** | 2 1 |
| TH | 1510 | **.6** | 2 | FR | 1510 | **1.5** | 5 |
| JE | 2145 | **7.9** | 2 4 | VE | 2140 | **7.3** | 2 2 |
| 10 | 0330 | **.5** | 2 | 25 | 0340 | **1.4** | 4 |
| | 1015 | **7.7** | 2 3 | | 0955 | **6.6** | 2 0 |
| FR | 1545 | **.7** | 2 | SA | 1535 | **1.6** | 5 |
| VE | 2230 | **7.7** | 2 3 | SA | 2210 | **7.2** | 2 2 |
| 11 | 0410 | **.7** | 2 | 26 | 0410 | **1.8** | 5 |
| | 1100 | **7.2** | 2 2 | | 1025 | **6.3** | 1 9 |
| SA | 1620 | **1.0** | 3 | SU | 1605 | **1.7** | 5 |
| SA | 2320 | **7.4** | 2 3 | DI | 2245 | **7.0** | 2 1 |
| 12 | 0450 | **1.2** | 4 | 27 | 0440 | **1.9** | 6 |
| | 1150 | **6.5** | 2 0 | | 1100 | **5.9** | 1 8 |
| SU | 1700 | **1.4** | 4 | MO | 1635 | **1.9** | 6 |
| DI | | | | LU | 2325 | **6.8** | 2 1 |
| 13 | 0015 | **7.1** | 2 2 | 28 | 0510 | **2.3** | 7 |
| | 0530 | **1.8** | 5 | | 1135 | **5.6** | 1 7 |
| MO | 1255 | **5.9** | 1 8 | TU | 1705 | **2.1** | 6 |
| LU | 1740 | **1.9** | 6 | MA | | | |
| 14 | 0120 | **6.7** | 2 0 | 29 | 0015 | **6.6** | 2 0 |
| | 0620 | **2.6** | 8 | | 0545 | **2.8** | 9 |
| TU | 1410 | **5.5** | 1 7 | WE | 1230 | **5.3** | 1 6 |
| MA | 1830 | **2.5** | 8 | ME | 1745 | **2.5** | 8 |
| 15 | 0235 | **6.5** | 2 0 | 30 | 0115 | **6.3** | 1 9 |
| | 1010 | **3.1** | 9 | | 0635 | **3.2** | 1 0 |
| WE | 1520 | **5.3** | 1 6 | TH | 1350 | **5.1** | 1 6 |
| ME | 1950 | **3.1** | 9 | JE | 1840 | **2.8** | 9 |
| | | | | 31 | 0240 | **6.2** | 1 9 |
| | | | | | 1000 | **3.2** | 1 0 |
| | | | | FR | 1520 | **5.3** | 1 6 |
| | | | | VE | 2035 | **3.1** | 9 |

## TABLE DES MARÉES

## ARGENTIA (HNTN 2° 3½')

1989

### APRIL-AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0355 | **6.3** | 1.9 | **16** | 0540 | **6.0** | 1.8 |
| | 1055 | **2.7** | .8 | | 1155 | **2.7** | .8 |
| SA | 1630 | **5.8** | 1.8 | SU | 1800 | **6.1** | 1.9 |
| SA | 2245 | **2.6** | .8 | DI | 2355 | **2.4** | .7 |
| 2 | 0505 | **6.6** | 2.0 | **17** | 0630 | **6.1** | 1.9 |
| | 1135 | **2.1** | .6 | | 1215 | **2.5** | .8 |
| SU | 1730 | **6.4** | 2.0 | MO | 1840 | **6.4** | 2.0 |
| DI | 2340 | **2.0** | .6 | LU | | | |
| 3 | 0605 | **7.0** | 2.1 | **18** | 0030 | **2.1** | .6 |
| | 1215 | **1.5** | .5 | | 0705 | **6.3** | 1.9 |
| MO | 1825 | **7.0** | 2.1 | TU | 1235 | **2.2** | .7 |
| LU | | | | MA | 1910 | **6.8** | 2.1 |
| 4 | 0030 | **1.4** | .4 | **19** | 0105 | **1.8** | .5 |
| | 0700 | **7.4** | 2.3 | | 0730 | **6.5** | 2.0 |
| TU | 1255 | **1.0** | .3 | WE | 1305 | **1.9** | .6 |
| MA | 1915 | **7.6** | 2.3 | ME | 1940 | **7.0** | 2.1 |
| 5 | 0115 | **.9** | .3 | **20** | 0135 | **1.5** | .5 |
| | 0745 | **7.7** | 2.3 | | 0800 | **6.6** | 2.0 |
| WE | 1330 | **.6** | .2 | TH | 1335 | **1.6** | .5 |
| ME | 2000 | **7.9** | 2.4 | JE | 2005 | **7.2** | 2.2 |
| 6 | 0155 | **.5** | .2 | **21** | 0210 | **1.4** | .4 |
| | 0830 | **7.7** | 2.3 | | 0825 | **6.8** | 2.0 |
| TH | 1405 | **.4** | .1 | FR | 1405 | **1.5** | .5 |
| JE | 2045 | **8.0** | 2.4 | VE | 2040 | **7.3** | 2.2 |
| 7 | 0235 | **.4** | .1 | **22** | 0245 | **1.3** | .4 |
| | 0915 | **7.6** | 2.3 | | 0855 | **6.5** | 2.0 |
| FR | 1445 | **.5** | .2 | SA | 1435 | **1.4** | .4 |
| VE | 2130 | **8.0** | 2.4 | SA | 2110 | **7.3** | 2.2 |
| 8 | 0315 | **.4** | .1 | **23** | 0315 | **1.4** | .4 |
| | 1000 | **7.2** | 2.2 | | 0925 | **6.3** | 1.9 |
| SA | 1520 | **.6** | .2 | SU | 1505 | **1.5** | .5 |
| SA | 2215 | **7.8** | 2.4 | DI | 2145 | **7.3** | 2.2 |
| 9 | 0355 | **.7** | .2 | **24** | 0345 | **1.6** | .5 |
| | 1045 | **6.6** | 2.0 | | 1000 | **6.0** | 1.8 |
| SU | 1600 | **1.0** | .3 | MO | 1535 | **1.6** | .5 |
| DI | 2305 | **7.5** | 2.3 | LU | 2225 | **7.1** | 2.2 |
| 10 | 0435 | **1.3** | .4 | **25** | 0415 | **1.9** | .6 |
| | 1140 | **6.1** | 1.9 | | 1035 | **5.7** | 1.7 |
| MO | 1640 | **1.4** | .4 | TU | 1610 | **1.7** | .5 |
| LU | | | | MA | 2310 | **6.9** | 2.1 |
| 11 | 0000 | **7.1** | 2.2 | **26** | 0450 | **2.1** | .6 |
| | 0520 | **1.9** | .6 | | 1120 | **5.5** | 1.7 |
| TU | 1250 | **5.6** | 1.7 | WE | 1645 | **1.9** | .6 |
| MA | 1725 | **2.0** | .6 | ME | 2355 | **6.7** | 2.0 |
| 12 | 0110 | **6.7** | 2.0 | **27** | 0530 | **2.4** | .7 |
| | 0605 | **2.7** | .8 | | 1215 | **5.3** | 1.6 |
| WE | 1400 | **5.3** | 1.6 | TH | 1730 | **2.2** | .7 |
| ME | 1815 | **2.6** | .8 | JE | | | |
| 13 | 0215 | **6.3** | 1.9 | **28** | 0055 | **6.4** | 2.0 |
| | 0950 | **3.0** | .9 | | 0620 | **2.7** | .8 |
| TH | 1505 | **5.2** | 1.6 | FR | 1335 | **5.4** | 1.6 |
| JE | 2045 | **3.0** | .9 | VE | 1830 | **2.6** | .8 |
| 14 | 0320 | **6.0** | 1.8 | **29** | 0205 | **6.2** | 1.9 |
| | 1045 | **3.0** | .9 | | 0850 | **2.6** | .9 |
| FR | 1605 | **5.4** | 1.6 | SA | 1450 | **5.6** | 1.7 |
| VE | 2220 | **2.9** | .9 | SA | 2020 | **2.7** | .8 |
| 15 | 0430 | **5.9** | 1.8 | **30** | 0320 | **6.2** | 1.9 |
| | 1130 | **2.9** | .9 | | 1005 | **2.3** | .7 |
| SA | 1710 | **5.7** | 1.7 | SU | 1600 | **6.0** | 1.8 |
| SA | 2310 | **2.7** | .8 | DI | 2215 | **2.3** | .7 |

### MAY-MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0430 | **6.3** | 1.9 | **16** | 0540 | **5.9** | 1.7 |
| | 1050 | **1.8** | .5 | | 1115 | **2.5** | .8 |
| MO | 1700 | **6.6** | 2.0 | TU | 1755 | **6.2** | 1.9 |
| LU | 2315 | **1.8** | .5 | MA | 2350 | **2.2** | .7 |
| 2 | 0535 | **6.5** | 2.0 | **17** | 0620 | **5.8** | 1.8 |
| | 1135 | **1.3** | .4 | | 1150 | **2.2** | .7 |
| TU | 1800 | **7.1** | 2.2 | WE | 1830 | **6.5** | 2.0 |
| MA | | | | ME | | | |
| 3 | 0005 | **1.3** | .4 | **18** | 0030 | **1.9** | .6 |
| | 0635 | **6.8** | 2.1 | | 0650 | **6.0** | 1.8 |
| WE | 1215 | **.9** | .3 | TH | 1225 | **2.0** | .6 |
| ME | 1850 | **7.5** | 2.3 | JE | 1900 | **6.8** | 2.1 |
| 4 | 0050 | **.9** | .3 | **19** | 0105 | **1.7** | .5 |
| | 0725 | **7.1** | 2.2 | | 0720 | **6.1** | 1.9 |
| TH | 1255 | **.7** | .2 | FR | 1255 | **1.8** | .5 |
| JE | 1940 | **7.8** | 2.4 | VE | 1935 | **7.1** | 2.2 |
| 5 | 0135 | **.6** | .2 | **20** | 0145 | **1.6** | .5 |
| | 0810 | **7.1** | 2.2 | | 0755 | **6.2** | 1.9 |
| FR | 1340 | **.6** | .2 | SA | 1330 | **1.6** | .5 |
| VE | 2025 | **8.0** | 2.4 | SA | 2010 | **7.3** | 2.2 |
| 6 | 0220 | **.5** | .2 | **21** | 0220 | **1.5** | .5 |
| | 0855 | **7.0** | 2.1 | | 0825 | **6.2** | 1.9 |
| SA | 1420 | **.6** | .2 | SU | 1405 | **1.5** | .5 |
| SA | 2110 | **7.9** | 2.4 | DI | 2050 | **7.4** | 2.3 |
| 7 | 0300 | **.6** | .2 | **22** | 0255 | **1.5** | .5 |
| | 0940 | **6.6** | 2.0 | | 0900 | **6.1** | 1.9 |
| SU | 1500 | **.8** | .2 | MO | 1440 | **1.4** | .4 |
| DI | 2155 | **7.7** | 2.3 | LU | 2130 | **7.4** | 2.3 |
| 8 | 0340 | **.9** | .3 | **23** | 0330 | **1.6** | .5 |
| | 1025 | **6.2** | 1.9 | | 0935 | **6.0** | 1.8 |
| MO | 1540 | **1.0** | .3 | TU | 1515 | **1.4** | .4 |
| LU | 2245 | **7.4** | 2.3 | MA | 2210 | **7.3** | 2.2 |
| 9 | 0425 | **1.4** | .4 | **24** | 0400 | **1.7** | .5 |
| | 1120 | **5.8** | 1.8 | | 1015 | **5.8** | 1.8 |
| TU | 1625 | **1.4** | .4 | WE | 1555 | **1.5** | .5 |
| MA | 2345 | **7.1** | 2.2 | ME | 2255 | **7.1** | 2.2 |
| 10 | 0505 | **1.9** | .6 | **25** | 0435 | **1.8** | .5 |
| | 1225 | **5.5** | 1.7 | | 1105 | **5.8** | 1.8 |
| WE | 1710 | **1.9** | .6 | TH | 1635 | **1.8** | .5 |
| ME | | | | JE | 2340 | **6.8** | 2.1 |
| 11 | 0040 | **6.6** | 2.0 | **26** | 0515 | **1.9** | .6 |
| | 0550 | **2.5** | .8 | | 1200 | **5.7** | 1.7 |
| TH | 1330 | **5.4** | 1.6 | FR | 1725 | **1.9** | .5 |
| JE | 1805 | **2.4** | .7 | VE | | | |
| 12 | 0140 | **6.2** | 1.9 | **27** | 0035 | **6.8** | 2.0 |
| | 0700 | **3.0** | .9 | | 0605 | **2.0** | .6 |
| FR | 1430 | **5.3** | 1.6 | SA | 1305 | **5.8** | 1.8 |
| VE | 1930 | **2.8** | .9 | SA | 1820 | **2.0** | .6 |
| 13 | 0235 | **5.8** | 1.8 | **28** | 0130 | **6.3** | 1.9 |
| | 0945 | **3.0** | .9 | | 0705 | **2.1** | .6 |
| SA | 1525 | **5.4** | 1.6 | SU | 1415 | **6.0** | 1.8 |
| SA | 2125 | **2.8** | .9 | DI | 1940 | **2.2** | .7 |
| 14 | 0340 | **5.6** | 1.7 | **29** | 0235 | **6.1** | 1.9 |
| | 1020 | **3.0** | .9 | | 0835 | **2.0** | .6 |
| SU | 1620 | **5.6** | 1.7 | MO | 1520 | **6.3** | 1.9 |
| DI | 2225 | **2.7** | .8 | LU | 2120 | **2.1** | .6 |
| 15 | 0445 | **5.5** | 1.7 | **30** | 0350 | **6.8** | 1.8 |
| | 1045 | **2.8** | .9 | | 0950 | **1.7** | .5 |
| MO | 1710 | **5.9** | 1.8 | TU | 1625 | **6.6** | 2.0 |
| LU | 2310 | **2.5** | .8 | MA | 2235 | **1.7** | .5 |
| | | | | **31** | 0505 | **6.1** | 1.9 |
| | | | | | 1045 | **1.4** | .4 |
| | | | | WE | 1725 | **6.9** | 2.1 |
| | | | | ME | 2335 | **1.4** | .4 |

### JUNE-JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0605 | **6.3** | 1.9 | **16** | 0605 | **5.8** | 1.7 |
| | 1135 | **1.2** | .4 | | 1135 | **2.2** | .7 |
| TH | 1825 | **7.3** | 2.2 | FR | 1825 | **6.8** | 2.0 |
| JE | | | | VE | | | |
| 2 | 0030 | **1.1** | .3 | **17** | 0035 | **2.1** | .6 |
| | 0700 | **6.4** | 2.0 | | 0640 | **5.8** | 1.8 |
| FR | 1225 | **1.0** | .3 | SA | 1220 | **1.9** | .6 |
| VE | 1915 | **7.6** | 2.3 | SA | 1910 | **7.0** | 2.1 |
| 3 | 0120 | **.9** | .3 | **18** | 0120 | **1.9** | .6 |
| | 0745 | **6.5** | 2.0 | | 0720 | **5.9** | 1.8 |
| SA | 1310 | **.9** | .3 | SU | 1300 | **1.7** | .5 |
| SA | 2005 | **7.7** | 2.3 | DI | 1950 | **7.3** | 2.2 |
| 4 | 0205 | **.9** | .3 | **19** | 0205 | **1.8** | .5 |
| | 0830 | **6.4** | 2.0 | | 0755 | **6.1** | 1.9 |
| SU | 1355 | **.9** | .3 | MO | 1340 | **1.6** | .5 |
| DI | 2050 | **7.7** | 2.3 | LU | 2030 | **7.5** | 2.3 |
| 5 | 0250 | **1.0** | .3 | **20** | 0240 | **1.6** | .5 |
| | 0915 | **6.3** | 1.9 | | 0835 | **6.1** | 1.9 |
| MO | 1440 | **1.0** | .3 | TU | 1425 | **1.3** | .4 |
| LU | 2140 | **7.6** | 2.3 | MA | 2115 | **7.5** | 2.3 |
| 6 | 0330 | **1.2** | .4 | **21** | 0315 | **1.5** | .5 |
| | 1000 | **6.0** | 1.8 | | 0915 | **6.2** | 1.9 |
| TU | 1525 | **1.2** | .4 | WE | 1505 | **1.2** | .4 |
| MA | 2225 | **7.3** | 2.2 | ME | 2155 | **7.5** | 2.3 |
| 7 | 0405 | **1.5** | .5 | **22** | 0350 | **1.4** | .4 |
| | 1050 | **5.8** | 1.8 | | 1000 | **6.2** | 1.9 |
| WE | 1610 | **1.4** | .4 | TH | 1545 | **1.1** | .3 |
| ME | 2315 | **7.0** | 2.1 | JE | 2240 | **7.3** | 2.2 |
| 8 | 0445 | **1.8** | .5 | **23** | 0425 | **1.4** | .4 |
| | 1145 | **5.7** | 1.7 | | 1050 | **6.2** | 1.9 |
| TH | 1655 | **1.7** | .5 | FR | 1630 | **1.1** | .3 |
| JE | | | | VE | 2325 | **7.1** | 2.2 |
| 9 | 0005 | **6.6** | 2.0 | **24** | 0500 | **1.3** | .4 |
| | 0525 | **2.2** | .7 | | 1140 | **6.3** | 1.9 |
| FR | 1245 | **5.6** | 1.7 | SA | 1715 | **1.3** | .4 |
| VE | 1745 | **2.1** | .6 | SA | | | |
| 10 | 0050 | **6.2** | 1.9 | **25** | 0010 | **6.0** | 2.1 |
| | 0610 | **2.5** | .8 | | 0545 | **1.4** | .4 |
| SA | 1335 | **5.6** | 1.7 | SU | 1235 | **6.3** | 1.9 |
| SA | 1845 | **2.4** | .7 | DI | 1805 | **1.5** | .5 |
| 11 | 0140 | **5.8** | 1.8 | **26** | 0100 | **6.4** | 2.0 |
| | 0705 | **2.8** | .9 | | 0630 | **1.5** | .5 |
| SU | 1425 | **5.6** | 1.7 | MO | 1335 | **6.4** | 2.0 |
| DI | 1955 | **2.6** | .8 | LU | 1905 | **1.7** | .5 |
| 12 | 0230 | **5.4** | 1.6 | **27** | 0200 | **6.0** | 1.8 |
| | 0815 | **2.9** | .9 | | 0730 | **1.8** | .5 |
| MO | 1515 | **5.6** | 1.7 | TU | 1440 | **6.4** | 2.0 |
| LU | 2110 | **2.7** | .8 | MA | 2020 | **1.9** | .6 |
| 13 | 0325 | **5.2** | 1.6 | **28** | 0315 | **5.8** | 1.8 |
| | 0920 | **2.8** | .9 | | 0845 | **1.7** | .5 |
| TU | 1605 | **5.8** | 1.8 | WE | 1550 | **6.5** | 2.0 |
| MA | 2210 | **2.6** | .8 | ME | 2155 | **1.9** | .6 |
| 14 | 0425 | **5.2** | 1.6 | **29** | 0435 | **5.7** | 1.7 |
| | 1010 | **2.6** | .8 | | 1000 | **1.7** | .5 |
| WE | 1655 | **6.0** | 1.8 | TH | 1700 | **6.7** | 2.0 |
| ME | 2300 | **2.5** | .8 | JE | 2310 | **1.8** | .5 |
| 15 | 0520 | **5.3** | 1.6 | **30** | 0540 | **5.8** | 1.8 |
| | 1055 | **2.4** | .7 | | 1100 | **1.8** | .5 |
| TH | 1740 | **6.3** | 1.9 | FR | 1800 | **7.0** | 2.1 |
| JE | 2350 | **2.3** | .7 | VE | | | |

# ARGENTIA (Z NST + 3½)

**TIDE TABLES**

1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0015 | 1.6 | 5 | 16 | 0020 | 2.5 | 8 |
| | 0640 | 6.0 | 18 | | 0610 | 5.6 | 17 |
| SA | 1200 | 1.5 | 5 | SU | 1150 | 2.1 | 6 |
| SA | 1900 | 7.2 | 22 | DI | 1845 | 6.9 | 21 |
| 2 | 0110 | 1.5 | 5 | 17 | 0110 | 2.2 | 7 |
| | 0725 | 6.1 | 19 | | 0655 | 5.9 | 18 |
| SU | 1250 | 1.4 | 4 | MO | 1240 | 1.8 | 5 |
| DI | 1950 | 7.4 | 23 | LU | 1935 | 7.3 | 22 |
| 3 | 0155 | 1.4 | 4 | 18 | 0150 | 1.9 | 6 |
| | 0810 | 6.2 | 19 | | 0735 | 6.2 | 19 |
| MO | 1340 | 1.3 | 4 | TU | 1330 | 1.4 | 4 |
| LU | 2035 | 7.5 | 23 | MA | 2015 | 7.6 | 23 |
| 4 | 0235 | 1.4 | 4 | 19 | 0225 | 1.6 | 5 |
| | 0855 | 6.2 | 19 | | 0820 | 6.4 | 20 |
| TU | 1430 | 1.2 | 4 | WE | 1415 | 1.1 | 3 |
| MA | 2120 | 7.4 | 23 | ME | 2100 | 7.8 | 24 |
| 5 | 0310 | 1.4 | 4 | 20 | 0300 | 1.3 | 4 |
| | 0935 | 6.1 | 19 | | 0900 | 6.6 | 20 |
| WE | 1515 | 1.2 | 4 | TH | 1455 | .9 | 3 |
| ME | 2200 | 7.2 | 22 | JE | 2140 | 7.8 | 24 |
| 6 | 0345 | 1.5 | 5 | 21 | 0330 | 1.1 | 3 |
| | 1020 | 6.1 | 19 | | 0945 | 6.7 | 20 |
| TH | 1555 | 1.3 | 4 | FR | 1540 | .7 | 2 |
| JE | 2245 | 7.0 | 21 | VE | 2220 | 7.6 | 23 |
| 7 | 0420 | 1.6 | 5 | 22 | 0405 | .9 | 3 |
| | 1105 | 6.0 | 18 | | 1035 | 6.8 | 21 |
| FR | 1640 | 1.5 | 5 | SA | 1620 | .7 | 2 |
| VE | 2325 | 6.6 | 20 | SA | 2305 | 7.3 | 22 |
| 8 | 0455 | 1.8 | 5 | 23 | 0440 | .9 | 3 |
| | 1150 | 5.9 | 18 | | 1120 | 6.7 | 20 |
| SA | 1720 | 1.7 | 5 | SU | 1700 | .9 | 3 |
| SA | | | | DI | 2350 | 6.9 | 21 |
| 9 | 0005 | 6.2 | 19 | 24 | 0520 | 1.0 | 3 |
| | 0535 | 2.1 | 6 | | 1215 | 6.7 | 20 |
| SU | 1235 | 5.9 | 18 | MO | 1745 | 1.2 | 4 |
| DI | 1805 | 2.1 | 6 | LU | | | |
| 10 | 0045 | 5.9 | 18 | 25 | 0040 | 6.4 | 20 |
| | 0610 | 2.3 | 7 | | 0605 | 1.2 | 4 |
| MO | 1320 | 5.8 | 18 | TU | 1310 | 6.5 | 20 |
| LU | 1850 | 2.4 | 7 | MA | 1835 | 1.6 | 5 |
| 11 | 0130 | 5.5 | 17 | 26 | 0140 | 5.9 | 18 |
| | 0655 | 2.5 | 8 | | 0655 | 1.6 | 5 |
| TU | 1405 | 5.7 | 17 | WE | 1415 | 6.4 | 20 |
| MA | 1950 | 2.7 | 8 | ME | 1935 | 2.1 | 6 |
| 12 | 0220 | 5.2 | 16 | 27 | 0255 | 5.5 | 17 |
| | 0750 | 2.7 | 8 | | 0800 | 1.9 | 6 |
| WE | 1500 | 5.7 | 17 | TH | 1530 | 6.4 | 20 |
| ME | 2105 | 2.9 | 9 | JE | 2140 | 2.4 | 7 |
| 13 | 0320 | 5.1 | 16 | 28 | 0415 | 5.4 | 16 |
| | 0855 | 2.8 | 9 | | 0925 | 2.1 | 6 |
| TH | 1600 | 5.9 | 18 | FR | 1645 | 6.5 | 20 |
| JE | 2220 | 2.9 | 9 | VE | 2325 | 2.3 | 7 |
| 14 | 0420 | 5.1 | 16 | 29 | 0525 | 5.5 | 17 |
| | 1000 | 2.6 | 8 | | 1050 | 2.1 | 6 |
| FR | 1700 | 6.1 | 19 | SA | 1750 | 6.7 | 20 |
| VE | 2325 | 2.7 | 8 | SA | | | |
| 15 | 0520 | 5.3 | 16 | 30 | 0025 | 2.1 | 6 |
| | 1055 | 2.4 | 7 | | 0620 | 5.7 | 17 |
| SA | 1755 | 6.5 | 20 | SU | 1150 | 1.9 | 6 |
| SA | | | | DI | 1850 | 7.0 | 21 |
| | | | | 31 | 0110 | 2.0 | 6 |
| | | | | | 0710 | 6.0 | 18 |
| | | | | MO | 1245 | 1.7 | 5 |
| | | | | LU | 1940 | 7.2 | 22 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0145 | 1.8 | 5 | 16 | 0130 | 1.8 | 5 |
| | 0755 | 6.2 | 19 | | 0720 | 6.5 | 20 |
| TU | 1335 | 1.5 | 5 | WE | 1320 | 1.3 | 4 |
| MA | 2020 | 7.3 | 22 | ME | 2000 | 7.8 | 24 |
| 2 | 0215 | 1.7 | 5 | 17 | 0205 | 1.3 | 4 |
| | 0835 | 6.3 | 19 | | 0805 | 6.9 | 21 |
| WE | 1420 | 1.3 | 4 | TH | 1405 | .9 | 3 |
| ME | 2100 | 7.3 | 22 | JE | 2040 | 8.0 | 24 |
| 3 | 0250 | 1.6 | 5 | 18 | 0235 | .9 | 3 |
| | 0910 | 6.4 | 20 | | 0850 | 7.1 | 22 |
| TH | 1500 | 1.2 | 4 | FR | 1445 | .6 | 2 |
| JE | 2135 | 7.2 | 22 | VE | 2125 | 7.9 | 24 |
| 4 | 0320 | 1.5 | 5 | 19 | 0310 | .7 | 2 |
| | 0950 | 6.4 | 20 | | 0930 | 7.3 | 22 |
| FR | 1535 | 1.2 | 4 | SA | 1525 | .5 | 2 |
| VE | 2210 | 6.9 | 21 | SA | 2205 | 7.7 | 23 |
| 5 | 0355 | 1.5 | 5 | 20 | 0345 | .6 | 2 |
| | 1025 | 6.4 | 20 | | 1015 | 7.2 | 22 |
| SA | 1615 | 1.3 | 4 | SU | 1600 | .6 | 2 |
| SA | 2245 | 6.7 | 20 | DI | 2245 | 7.3 | 22 |
| 6 | 0425 | 1.6 | 5 | 21 | 0420 | .7 | 2 |
| | 1105 | 6.3 | 19 | | 1105 | 7.1 | 22 |
| SU | 1650 | 1.5 | 5 | MO | 1640 | .8 | 2 |
| DI | 2320 | 6.3 | 19 | LU | 2330 | 6.8 | 21 |
| 7 | 0500 | 1.8 | 5 | 22 | 0500 | .9 | 3 |
| | 1145 | 6.2 | 19 | | 1155 | 6.9 | 21 |
| MO | 1725 | 1.9 | 6 | TU | 1725 | 1.3 | 4 |
| LU | | | | MA | | | |
| 8 | 0000 | 6.0 | 18 | 23 | 0025 | 6.2 | 19 |
| | 0530 | 2.0 | 6 | | 0540 | 1.3 | 4 |
| TU | 1225 | 6.1 | 19 | WE | 1255 | 6.6 | 20 |
| MA | 1805 | 2.3 | 7 | ME | 1810 | 1.9 | 6 |
| 9 | 0035 | 5.6 | 17 | 24 | 0130 | 5.7 | 17 |
| | 0605 | 2.3 | 7 | | 0630 | 1.8 | 5 |
| WE | 1310 | 5.9 | 18 | TH | 1410 | 6.4 | 20 |
| ME | 1845 | 2.7 | 8 | JE | 1910 | 2.6 | 8 |
| 10 | 0125 | 5.3 | 16 | 25 | 0255 | 5.4 | 16 |
| | 0645 | 2.6 | 8 | | 0730 | 2.3 | 7 |
| TH | 1410 | 5.8 | 18 | FR | 1525 | 6.3 | 19 |
| JE | 1945 | 3.2 | 10 | VE | 2245 | 2.8 | 9 |
| 11 | 0225 | 5.0 | 15 | 26 | 0410 | 5.3 | 16 |
| | 0740 | 2.8 | 9 | | 0945 | 2.6 | 8 |
| FR | 1520 | 5.9 | 18 | SA | 1640 | 6.4 | 20 |
| VE | 2205 | 3.3 | 10 | SA | 2345 | 2.6 | 8 |
| 12 | 0340 | 5.0 | 15 | 27 | 0515 | 5.5 | 17 |
| | 0905 | 2.9 | 9 | | 1105 | 2.4 | 7 |
| SA | 1630 | 6.1 | 19 | SU | 1745 | 6.6 | 20 |
| SA | 2320 | 3.1 | 9 | DI | | | |
| 13 | 0450 | 5.2 | 16 | 28 | 0030 | 2.4 | 7 |
| | 1040 | 2.7 | 8 | | 0610 | 5.8 | 18 |
| SU | 1735 | 6.5 | 20 | MO | 1200 | 2.2 | 7 |
| DI | | | | LU | 1845 | 6.9 | 21 |
| 14 | 0010 | 2.7 | 8 | 29 | 0105 | 2.3 | 7 |
| | 0545 | 5.6 | 17 | | 0700 | 6.1 | 19 |
| MO | 1140 | 2.3 | 7 | TU | 1245 | 1.9 | 6 |
| LU | 1830 | 7.0 | 21 | MA | 1930 | 7.1 | 22 |
| 15 | 0055 | 2.2 | 7 | 30 | 0125 | 2.1 | 6 |
| | 0635 | 6.1 | 19 | | 0740 | 6.4 | 20 |
| TU | 1235 | 1.8 | 5 | WE | 1325 | 1.7 | 5 |
| MA | 1915 | 7.5 | 23 | ME | 2010 | 7.2 | 22 |
| | | | | 31 | 0150 | 1.9 | 6 |
| | | | | | 0815 | 6.7 | 20 |
| | | | | TH | 1405 | 1.4 | 4 |
| | | | | JE | 2040 | 7.2 | 22 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0220 | 1.6 | 5 | 16 | 0210 | .7 | 2 |
| | 0845 | 6.8 | 21 | | 0835 | 7.7 | 23 |
| FR | 1440 | 1.3 | 4 | SA | 1425 | .6 | 2 |
| VE | 2110 | 7.1 | 22 | SA | 2105 | 7.9 | 24 |
| 2 | 0250 | 1.5 | 5 | 17 | 0245 | .5 | 2 |
| | 0920 | 6.9 | 21 | | 0915 | 7.8 | 24 |
| SA | 1515 | 1.2 | 4 | SU | 1505 | .5 | 2 |
| SA | 2140 | 6.9 | 21 | DI | 2145 | 7.6 | 23 |
| 3 | 0325 | 1.4 | 4 | 18 | 0320 | .5 | 2 |
| | 0955 | 6.8 | 21 | | 1000 | 7.6 | 23 |
| SU | 1550 | 1.3 | 4 | MO | 1545 | .7 | 2 |
| DI | 2215 | 6.7 | 20 | LU | 2230 | 7.2 | 22 |
| 4 | 0355 | 1.5 | 5 | 19 | 0400 | .7 | 2 |
| | 1030 | 6.7 | 20 | | 1050 | 7.4 | 23 |
| MO | 1620 | 1.6 | 5 | TU | 1625 | 1.1 | 3 |
| LU | 2245 | 6.4 | 20 | MA | 2320 | 6.6 | 20 |
| 5 | 0425 | 1.7 | 5 | 20 | 0435 | 1.1 | 3 |
| | 1105 | 6.6 | 20 | | 1145 | 7.1 | 22 |
| TU | 1655 | 1.9 | 6 | WE | 1705 | 1.6 | 5 |
| MA | 2320 | 6.0 | 18 | ME | | | |
| 6 | 0455 | 2.0 | 6 | 21 | 0020 | 6.0 | 18 |
| | 1145 | 6.4 | 20 | | 0520 | 1.6 | 5 |
| WE | 1725 | 2.4 | 7 | TH | 1255 | 6.8 | 21 |
| ME | 2355 | 5.6 | 17 | JE | 1755 | 2.4 | 7 |
| 7 | 0525 | 2.3 | 7 | 22 | 0140 | 5.6 | 17 |
| | 1235 | 6.2 | 19 | | 0610 | 2.2 | 7 |
| TH | 1800 | 2.9 | 9 | FR | 1410 | 6.6 | 20 |
| JE | | | | VE | 2140 | 2.9 | 9 |
| 8 | 0040 | 5.2 | 16 | 23 | 0255 | 5.4 | 16 |
| | 0600 | 2.6 | 8 | | 0720 | 2.8 | 9 |
| FR | 1335 | 6.0 | 18 | SA | 1520 | 6.5 | 20 |
| VE | 1850 | 3.4 | 10 | SA | 2245 | 2.9 | 9 |
| 9 | 0155 | 5.0 | 15 | 24 | 0400 | 5.5 | 17 |
| | 0650 | 2.9 | 9 | | 1015 | 2.8 | 9 |
| SA | 1455 | 6.1 | 19 | SU | 1630 | 6.4 | 20 |
| SA | 2210 | 3.5 | 11 | DI | 2335 | 2.7 | 8 |
| 10 | 0320 | 5.1 | 16 | 25 | 0505 | 5.7 | 17 |
| | 0825 | 3.1 | 9 | | 1110 | 2.6 | 8 |
| SU | 1605 | 6.3 | 19 | MO | 1740 | 6.6 | 20 |
| DI | 2305 | 3.1 | 9 | LU | | | |
| 11 | 0430 | 5.4 | 16 | 26 | 0015 | 2.6 | 8 |
| | 1040 | 2.8 | 9 | | 0600 | 6.1 | 19 |
| MO | 1710 | 6.6 | 20 | TU | 1155 | 2.3 | 7 |
| LU | 2350 | 2.6 | 8 | MA | 1835 | 6.8 | 21 |
| 12 | 0525 | 5.9 | 18 | 27 | 0035 | 2.5 | 8 |
| | 1135 | 2.3 | 7 | | 0645 | 6.5 | 20 |
| TU | 1805 | 7.1 | 22 | WE | 1235 | 2.1 | 6 |
| MA | | | | ME | 1915 | 6.9 | 21 |
| 13 | 0025 | 2.1 | 6 | 28 | 0055 | 2.2 | 7 |
| | 0620 | 6.5 | 20 | | 0720 | 6.8 | 21 |
| WE | 1225 | 1.7 | 5 | TH | 1310 | 1.8 | 5 |
| ME | 1855 | 7.5 | 23 | JE | 1945 | 7.0 | 21 |
| 14 | 0100 | 1.5 | 5 | 29 | 0120 | 2.0 | 6 |
| | 0705 | 7.1 | 22 | | 0750 | 7.1 | 22 |
| TH | 1305 | 1.2 | 4 | FR | 1340 | 1.6 | 5 |
| JE | 1940 | 7.9 | 24 | VE | 2015 | 7.0 | 21 |
| 15 | 0135 | 1.0 | 3 | 30 | 0150 | 1.7 | 5 |
| | 0750 | 7.5 | 23 | | 0820 | 7.2 | 22 |
| FR | 1350 | .8 | 2 | SA | 1415 | 1.4 | 4 |
| VE | 2020 | 8.0 | 24 | SA | 2040 | 7.0 | 21 |

V-1

## TABLE DES MARÉES

# ARGENTIA (HNTN)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0220 | 1.6 | 5 | 16 | 0220 | .6 | 2 |
| | 0850 | 7.3 | 22 | | 0900 | 8.2 | 25 |
| SU | 1450 | 1.4 | 4 | MO | 1450 | .7 | 2 |
| DI | 2110 | 6.9 | 21 | LU | 2125 | 7.4 | 23 |
| 2 | 0250 | 1.6 | 5 | 17 | 0255 | .7 | 2 |
| | 0925 | 7.2 | 22 | | 0945 | 8.0 | 24 |
| MO | 1525 | 1.5 | 5 | TU | 1530 | 1.0 | 3 |
| LU | 2140 | 6.6 | 20 | MA | 2215 | 6.9 | 21 |
| 3 | 0320 | 1.7 | 5 | 18 | 0335 | 1.0 | 3 |
| | 1000 | 7.1 | 22 | | 1040 | 7.8 | 24 |
| TU | 1555 | 1.8 | 5 | WE | 1610 | 1.4 | 4 |
| MA | 2210 | 6.3 | 19 | ME | 2310 | 6.4 | 20 |
| 4 | 0350 | 1.8 | 5 | 19 | 0420 | 1.4 | 4 |
| | 1035 | 6.9 | 21 | | 1140 | 7.4 | 23 |
| WE | 1625 | 2.2 | 7 | TH | 1655 | 2.0 | 6 |
| ME | 2245 | 6.0 | 18 | JE | | | |
| 5 | 0420 | 2.1 | 6 | 20 | 0020 | 6.0 | 18 |
| | 1115 | 6.7 | 20 | • | 0505 | 1.9 | 6 |
| TH | 1700 | 2.6 | 8 | FR | 1245 | 7.1 | 22 |
| JE | 2320 | 5.6 | 17 | VE | 1745 | 2.7 | 8 |
| 6 | 0455 | 2.4 | 7 | 21 | 0135 | 5.7 | 17 |
| | 1205 | 6.5 | 20 | | 0555 | 2.5 | 8 |
| FR | 1735 | 3.0 | 9 | SA | 1355 | 6.8 | 21 |
| VE | | | | SA | 2125 | 3.0 | 9 |
| 7 | 0015 | 5.3 | 16 | 22 | 0240 | 5.6 | 17 |
| | 0530 | 2.7 | 8 | | 0725 | 3.0 | 9 |
| SA | 1310 | 6.3 | 19 | SU | 1500 | 6.6 | 20 |
| SA | 1820 | 3.4 | 10 | DI | 2220 | 3.0 | 9 |
| 8 | 0135 | 5.2 | 16 | 23 | 0340 | 5.8 | 18 |
| | 0620 | 3.0 | 9 | | 1000 | 2.9 | 9 |
| SU | 1425 | 6.3 | 19 | MO | 1605 | 6.4 | 20 |
| DI | 2145 | 3.4 | 10 | LU | 2305 | 3.0 | 9 |
| 9 | 0255 | 5.4 | 16 | 24 | 0440 | 6.0 | 18 |
| | 0810 | 3.2 | 10 | | 1050 | 2.7 | 8 |
| MO | 1530 | 6.4 | 20 | TU | 1710 | 6.4 | 20 |
| LU | 2230 | 3.0 | 9 | MA | 2335 | 2.9 | 9 |
| 10 | 0400 | 5.8 | 18 | 25 | 0535 | 6.4 | 20 |
| | 1020 | 2.8 | 9 | | 1130 | 2.5 | 8 |
| TU | 1635 | 6.7 | 20 | WE | 1805 | 6.5 | 20 |
| MA | 2310 | 2.5 | 8 | ME | 2355 | 2.7 | 8 |
| 11 | 0500 | 6.4 | 20 | 26 | 0615 | 6.7 | 20 |
| | 1115 | 2.3 | 7 | | 1205 | 2.3 | 7 |
| WE | 1735 | 7.0 | 21 | TH | 1845 | 6.6 | 20 |
| ME | 2350 | 1.9 | 6 | JE | | | |
| 12 | 0555 | 7.0 | 21 | 27 | 0015 | 2.4 | 7 |
| | 1200 | 1.7 | 5 | | 0650 | 7.0 | 21 |
| TH | 1830 | 7.4 | 23 | FR | 1240 | 2.1 | 6 |
| JE | | | | VE | 1915 | 6.7 | 20 |
| 13 | 0025 | 1.3 | 4 | 28 | 0040 | 2.2 | 7 |
| | 0645 | 7.6 | 23 | | 0720 | 7.3 | 22 |
| FR | 1245 | 1.2 | 4 | SA | 1315 | 1.9 | 6 |
| VE | 1915 | 7.7 | 23 | SA | 1940 | 6.8 | 21 |
| 14 | 0100 | .9 | 3 | 29 | 0115 | 1.9 | 6 |
| | 0730 | 8.0 | 24 | | 0750 | 7.4 | 23 |
| SA | 1325 | .9 | 3 | SU | 1350 | 1.8 | 5 |
| SA | 2000 | 7.8 | 24 | DI | 2005 | 6.8 | 21 |
| 15 | 0140 | .7 | 2 | 30 | 0145 | 1.8 | 5 |
| | 0815 | 8.2 | 25 | | 0820 | 7.5 | 23 |
| SU | 1410 | .7 | 2 | MO | 1425 | 1.8 | 5 |
| DI | 2045 | 7.7 | 23 | LU | 2035 | 6.8 | 21 |
| | | | | 31 | 0220 | 1.8 | 5 |
| | | | | | 0855 | 7.5 | 23 |
| | | | | TU | 1500 | 1.9 | 6 |
| | | | | MA | 2105 | 6.6 | 20 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0250 | 1.9 | 6 | 16 | 0320 | 1.3 | 4 |
| | 0930 | 7.5 | 23 | | 1020 | 8.0 | 24 |
| WE | 1530 | 2.1 | 6 | TH | 1600 | 1.7 | 5 |
| ME | 2140 | 6.3 | 19 | JE | 2250 | 6.4 | 20 |
| 2 | 0320 | 2.0 | 6 | 17 | 0405 | 1.7 | 5 |
| | 1010 | 7.3 | 22 | | 1120 | 7.7 | 23 |
| TH | 1605 | 2.4 | 7 | FR | 1645 | 2.2 | 7 |
| JE | 2215 | 6.0 | 18 | VE | | | |
| 3 | 0355 | 2.2 | 7 | 18 | 0000 | 6.1 | 19 |
| | 1050 | 7.1 | 22 | | 0450 | 2.1 | 6 |
| FR | 1635 | 2.7 | 8 | SA | 1220 | 7.3 | 22 |
| VE | 2255 | 5.8 | 18 | SA | 1730 | 2.8 | 9 |
| 4 | 0430 | 2.4 | 7 | 19 | 0110 | 5.9 | 18 |
| | 1140 | 6.9 | 21 | | 0545 | 2.6 | 8 |
| SA | 1715 | 2.9 | 9 | SU | 1320 | 6.9 | 21 |
| SA | 2355 | 5.7 | 17 | DI | 1830 | 3.2 | 10 |
| 5 | 0515 | 2.7 | 8 | 20 | 0210 | 5.9 | 18 |
| | 1240 | 6.7 | 20 | | 0655 | 3.0 | 9 |
| SU | 1800 | 3.1 | 9 | MO | 1420 | 6.5 | 20 |
| DI | | | | LU | 2130 | 3.4 | 10 |
| 6 | 0105 | 5.7 | 17 | 21 | 0305 | 6.0 | 18 |
| | 0605 | 2.9 | 9 | | 0900 | 3.1 | 9 |
| MO | 1340 | 6.6 | 20 | TU | 1520 | 6.2 | 19 |
| LU | 1915 | 3.2 | 10 | MA | 2205 | 3.3 | 10 |
| 7 | 0220 | 5.9 | 18 | 22 | 0400 | 6.2 | 19 |
| | 0735 | 3.1 | 9 | | 1005 | 3.0 | 9 |
| TU | 1445 | 6.5 | 20 | WE | 1620 | 6.1 | 19 |
| MA | 2130 | 2.9 | 9 | ME | 2230 | 3.2 | 10 |
| 8 | 0325 | 6.4 | 20 | 23 | 0450 | 6.5 | 20 |
| | 0940 | 2.8 | 9 | | 1050 | 2.9 | 9 |
| WE | 1555 | 6.6 | 20 | TH | 1715 | 6.1 | 19 |
| ME | 2215 | 2.4 | 7 | JE | 2255 | 3.0 | 9 |
| 9 | 0425 | 6.8 | 21 | 24 | 0535 | 6.7 | 20 |
| | 1040 | 2.3 | 7 | | 1130 | 2.7 | 8 |
| TH | 1700 | 6.8 | 21 | FR | 1800 | 6.2 | 19 |
| JE | 2300 | 1.9 | 6 | VE | 2325 | 2.7 | 8 |
| 10 | 0525 | 7.4 | 23 | 25 | 0610 | 7.0 | 21 |
| | 1130 | 1.8 | 5 | | 1205 | 2.5 | 8 |
| FR | 1755 | 7.1 | 22 | SA | 1830 | 6.4 | 20 |
| VE | 2345 | 1.4 | 4 | SA | | | |
| 11 | 0615 | 7.8 | 24 | 26 | 0000 | 2.5 | 8 |
| | 1220 | 1.4 | 4 | | 0645 | 7.3 | 22 |
| SA | 1850 | 7.4 | 23 | SU | 1245 | 2.4 | 7 |
| SA | | | | DI | 1900 | 6.5 | 20 |
| 12 | 0025 | 1.1 | 3 | 27 | 0035 | 2.2 | 7 |
| | 0705 | 8.2 | 25 | | 0720 | 7.5 | 23 |
| SU | 1305 | 1.2 | 4 | MO | 1325 | 2.2 | 7 |
| DI | 1935 | 7.5 | 23 | LU | 1930 | 6.6 | 20 |
| 13 | 0110 | .9 | 3 | 28 | 0110 | 2.1 | 6 |
| | 0755 | 8.4 | 26 | | 0755 | 7.7 | 23 |
| MO | 1350 | 1.0 | 3 | TU | 1400 | 2.2 | 7 |
| LU | 2020 | 7.4 | 23 | MA | 2005 | 6.6 | 20 |
| 14 | 0150 | .9 | 3 | 29 | 0145 | 2.0 | 6 |
| | 0840 | 8.4 | 26 | | 0830 | 7.8 | 24 |
| TU | 1435 | 1.1 | 3 | WE | 1440 | 2.2 | 7 |
| MA | 2105 | 7.1 | 22 | ME | 2035 | 6.6 | 20 |
| 15 | 0235 | 1.1 | 3 | 30 | 0225 | 2.0 | 6 |
| | 0930 | 8.3 | 25 | | 0910 | 7.8 | 24 |
| WE | 1520 | 1.3 | 4 | TH | 1515 | 2.3 | 7 |
| ME | 2155 | 6.8 | 21 | JE | 2115 | 6.4 | 20 |

### DECEMBER-DECEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0300 | 2.0 | 6 | 16 | 0350 | 1.7 | 5 |
| | 0950 | 7.7 | 23 | | 1055 | 7.8 | 24 |
| FR | 1545 | 2.4 | 7 | SA | 1625 | 2.2 | 7 |
| VE | 2155 | 6.3 | 19 | SA | 2325 | 6.3 | 19 |
| 2 | 0340 | 2.1 | 6 | 17 | 0435 | 2.0 | 6 |
| | 1030 | 7.6 | 23 | | 1145 | 7.4 | 23 |
| SA | 1620 | 2.5 | 8 | SU | 1705 | 2.5 | 8 |
| SA | 2240 | 6.2 | 19 | DI | | | |
| 3 | 0420 | 2.2 | 7 | 18 | 0020 | 6.2 | 19 |
| | 1120 | 7.4 | 23 | | 0525 | 2.4 | 7 |
| SU | 1655 | 2.5 | 8 | MO | 1235 | 6.9 | 21 |
| DI | 2330 | 6.2 | 19 | LU | 1750 | 2.9 | 9 |
| 4 | 0500 | 2.3 | 7 | 19 | 0120 | 6.2 | 19 |
| | 1205 | 7.1 | 22 | | 0615 | 2.8 | 9 |
| MO | 1740 | 2.5 | 8 | TU | 1325 | 6.5 | 20 |
| LU | | | | MA | 1835 | 3.1 | 9 |
| 5 | 0030 | 6.3 | 19 | 20 | 0210 | 6.2 | 19 |
| | 0555 | 2.5 | 8 | | 0720 | 3.1 | 9 |
| TU | 1300 | 6.9 | 21 | WE | 1415 | 6.1 | 19 |
| MA | 1830 | 2.5 | 8 | ME | 1940 | 3.3 | 10 |
| 6 | 0135 | 6.5 | 20 | 21 | 0300 | 6.3 | 19 |
| | 0700 | 2.7 | 8 | | 0840 | 3.3 | 10 |
| WE | 1400 | 6.6 | 20 | TH | 1510 | 5.8 | 18 |
| ME | 1940 | 2.5 | 8 | JE | 2050 | 3.3 | 10 |
| 7 | 0240 | 6.8 | 21 | 22 | 0350 | 6.4 | 20 |
| | 0825 | 2.7 | 8 | | 0950 | 3.3 | 10 |
| TH | 1505 | 6.5 | 20 | FR | 1605 | 5.8 | 18 |
| JE | 2100 | 2.3 | 7 | VE | 2150 | 3.2 | 10 |
| 8 | 0345 | 7.1 | 22 | 23 | 0440 | 6.5 | 20 |
| | 0950 | 2.5 | 8 | | 1045 | 3.2 | 10 |
| FR | 1620 | 6.5 | 20 | SA | 1700 | 5.8 | 18 |
| VE | 2205 | 2.0 | 6 | SA | 2235 | 3.0 | 9 |
| 9 | 0450 | 7.4 | 23 | 24 | 0530 | 6.8 | 21 |
| | 1055 | 2.1 | 6 | | 1135 | 3.0 | 9 |
| SA | 1725 | 6.7 | 20 | SU | 1745 | 6.0 | 18 |
| SA | 2300 | 1.7 | 5 | DI | 2320 | 2.8 | 9 |
| 10 | 0550 | 7.8 | 24 | 25 | 0610 | 7.1 | 22 |
| | 1155 | 1.8 | 5 | | 1220 | 2.9 | 9 |
| SU | 1825 | 6.9 | 21 | MO | 1825 | 6.2 | 19 |
| DI | 2355 | 1.5 | 5 | LU | | | |
| 11 | 0645 | 8.1 | 25 | 26 | 0000 | 2.6 | 8 |
| | 1250 | 1.6 | 5 | | 0655 | 7.4 | 23 |
| MO | 1915 | 7.0 | 21 | TU | 1305 | 2.7 | 8 |
| LU | | | | MA | 1900 | 6.4 | 20 |
| 12 | 0040 | 1.4 | 4 | 27 | 0045 | 2.4 | 7 |
| | 0735 | 8.4 | 26 | | 0735 | 7.7 | 23 |
| TU | 1340 | 1.5 | 5 | WE | 1350 | 2.5 | 8 |
| MA | 2000 | 7.0 | 21 | ME | 1935 | 6.6 | 20 |
| 13 | 0130 | 1.4 | 4 | 28 | 0125 | 2.2 | 7 |
| | 0825 | 8.4 | 26 | | 0815 | 8.0 | 24 |
| WE | 1425 | 1.5 | 5 | TH | 1425 | 2.3 | 7 |
| ME | 2050 | 6.9 | 21 | JE | 2015 | 6.7 | 20 |
| 14 | 0220 | 1.4 | 4 | 29 | 0210 | 2.0 | 6 |
| | 0915 | 8.4 | 26 | | 0855 | 8.1 | 25 |
| TH | 1510 | 1.7 | 5 | FR | 1500 | 2.2 | 7 |
| JE | 2135 | 6.7 | 20 | VE | 2055 | 6.7 | 20 |
| 15 | 0305 | 1.5 | 5 | 30 | 0250 | 1.9 | 6 |
| | 1005 | 8.2 | 25 | | 0935 | 8.1 | 25 |
| FR | 1550 | 1.9 | 6 | SA | 1530 | 2.1 | 6 |
| VE | 2225 | 6.5 | 20 | SA | 2135 | 6.8 | 21 |
| | | | | 31 | 0330 | 1.8 | 5 |
| | | | | | 1015 | 7.9 | 24 |
| | | | | SU | 1605 | 2.0 | 6 |
| | | | | DI | 2220 | 6.8 | 21 |

# ST. JOHN'S (z -3½)



1989

## JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht ft | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0115 | 3.5 | 1.1 | 16 | 0150 | 3.9 | 1.2 |
| | 0750 | 2.1 | 0.6 | | 0850 | 1.9 | 0.6 |
| SU | 1330 | 3.2 | 1.0 | MO | 1445 | 3.2 | 1.0 |
| DI | 1945 | 2.0 | 0.6 | LU | 2050 | 1.8 | 0.5 |
| 2 | 0215 | 3.6 | 1.1 | 17 | 0300 | 3.9 | 1.2 |
| | 0910 | 2.1 | 0.6 | | 1020 | 1.9 | 0.6 |
| MO | 1500 | 3.0 | 0.9 | TU | 1620 | 3.1 | 0.9 |
| LU | 2035 | 2.1 | 0.6 | MA | 2155 | 1.9 | 0.6 |
| 3 | 0320 | 3.7 | 1.1 | 18 | 0420 | 4.1 | 1.2 |
| | 1030 | 2.0 | 0.6 | | 1140 | 1.7 | 0.5 |
| TU | 1615 | 3.1 | 0.9 | WE | 1725 | 3.2 | 1.0 |
| MA | 2135 | 2.1 | 0.6 | ME | 2255 | 1.8 | 0.5 |
| 4 | 0425 | 3.9 | 1.2 | 19 | 0530 | 4.3 | 1.3 |
| | 1135 | 1.8 | 0.5 | | 1235 | 1.6 | 0.5 |
| WE | 1710 | 3.2 | 1.0 | TH | 1820 | 3.3 | 1.0 |
| ME | 2240 | 2.0 | 0.6 | JE | 2355 | 1.7 | 0.5 |
| 5 | 0525 | 4.2 | 1.3 | 20 | 0625 | 4.6 | 1.4 |
| | 1225 | 1.6 | 0.5 | | 1320 | 1.4 | 0.4 |
| TH | 1800 | 3.4 | 1.0 | FR | 1910 | 3.4 | 1.0 |
| JE | 2335 | 1.9 | 0.6 | VE | | | |
| 6 | 0615 | 4.5 | 1.4 | 21 | 0050 | 1.5 | 0.5 |
| | 1305 | 1.4 | 0.4 | | 0715 | 4.6 | 1.4 |
| FR | 1845 | 3.5 | 1.1 | SA | 1400 | 1.3 | 0.4 |
| VE | | | | SA | 1955 | 3.6 | 1.1 |
| 7 | 0030 | 1.7 | 0.5 | 22 | 0140 | 1.4 | 0.4 |
| | 0705 | 4.7 | 1.4 | | 0800 | 4.8 | 1.5 |
| SA | 1345 | 1.2 | 0.4 | SU | 1435 | 1.2 | 0.4 |
| SA | 1935 | 3.7 | 1.1 | DI | 2040 | 3.7 | 1.1 |
| 8 | 0120 | 1.5 | 0.5 | 23 | 0220 | 1.3 | 0.4 |
| | 0755 | 5.0 | 1.5 | | 0840 | 4.8 | 1.5 |
| SU | 1430 | 1.1 | 0.3 | MO | 1510 | 1.2 | 0.4 |
| DI | 2025 | 3.9 | 1.2 | LU | 2115 | 3.8 | 1.2 |
| 9 | 0210 | 1.4 | 0.4 | 24 | 0300 | 1.3 | 0.4 |
| | 0840 | 5.1 | 1.6 | | 0910 | 4.7 | 1.4 |
| MO | 1510 | .9 | 0.3 | TU | 1540 | 1.3 | 0.4 |
| LU | 2110 | 4.0 | 1.2 | MA | 2150 | 3.8 | 1.2 |
| 10 | 0300 | 1.3 | 0.4 | 25 | 0335 | 1.3 | 0.4 |
| | 0920 | 5.1 | 1.6 | | 0940 | 4.8 | 1.4 |
| TU | 1555 | .9 | 0.3 | WE | 1605 | 1.3 | 0.4 |
| MA | 2155 | 4.1 | 1.2 | ME | 2215 | 3.9 | 1.2 |
| 11 | 0345 | 1.4 | 0.4 | 26 | 0410 | 1.4 | 0.4 |
| | 1000 | 5.0 | 1.5 | | 1010 | 4.4 | 1.3 |
| WE | 1640 | 1.0 | 0.3 | TH | 1625 | 1.4 | 0.4 |
| ME | 2240 | 4.1 | 1.2 | JE | 2240 | 3.9 | 1.2 |
| 12 | 0435 | 1.4 | 0.4 | 27 | 0445 | 1.5 | 0.5 |
| | 1045 | 4.7 | 1.4 | | 1035 | 4.1 | 1.2 |
| TH | 1725 | 1.1 | 0.3 | FR | 1645 | 1.6 | 0.5 |
| JE | 2325 | 4.1 | 1.2 | VE | 2305 | 3.9 | 1.2 |
| 13 | 0530 | 1.6 | 0.5 | 28 | 0520 | 1.6 | 0.5 |
| | 1130 | 4.3 | 1.3 | | 1110 | 3.8 | 1.2 |
| FR | 1815 | 1.3 | 0.4 | SA | 1705 | 1.7 | 0.5 |
| VE | | | | SA | 2335 | 3.8 | 1.2 |
| 14 | 0010 | 4.0 | 1.2 | 29 | 0605 | 1.8 | 0.5 |
| | 0630 | 1.7 | 0.5 | | 1145 | 3.5 | 1.1 |
| SA | 1215 | 3.9 | 1.2 | SU | 1740 | 1.8 | 0.5 |
| SA | 1905 | 1.5 | 0.5 | DI | | | |
| 15 | 0055 | 4.0 | 1.2 | 30 | 0015 | 3.8 | 1.2 |
| | 0735 | 1.9 | 0.6 | | 0700 | 2.0 | 0.6 |
| SU | 1320 | 3.5 | 1.1 | MO | 1230 | 3.2 | 1.0 |
| DI | 1955 | 1.7 | 0.5 | LU | 1825 | 2.0 | 0.6 |
| | | | | 31 | 0100 | 3.7 | 1.1 |
| | | | | | 0815 | 2.2 | 0.7 |
| | | | | TU | 1335 | 2.9 | 0.9 |
| | | | | MA | 1930 | 2.1 | 0.6 |

## FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht ft | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0210 | 3.7 | 1.1 | 16 | 0425 | 3.8 | 1.2 |
| | 0950 | 2.2 | 0.7 | | 1145 | 1.8 | 0.5 |
| WE | 1515 | 2.9 | 0.9 | TH | 1735 | 3.0 | 0.9 |
| ME | 2050 | 2.2 | 0.7 | JE | 2250 | 1.9 | 0.6 |
| 2 | 0355 | 3.8 | 1.2 | 17 | 0540 | 4.0 | 1.2 |
| | 1115 | 2.0 | 0.6 | | 1235 | 1.8 | 0.5 |
| TH | 1650 | 3.0 | 0.9 | FR | 1825 | 3.2 | 1.0 |
| JE | 2215 | 2.1 | 0.6 | VE | 2355 | 1.7 | 0.5 |
| 3 | 0520 | 4.0 | 1.2 | 18 | 0630 | 4.3 | 1.3 |
| | 1205 | 1.8 | 0.5 | | 1315 | 1.4 | 0.4 |
| FR | 1750 | 3.3 | 1.0 | SA | 1905 | 3.4 | 1.0 |
| VE | 2325 | 1.9 | 0.6 | SA | | | |
| 4 | 0615 | 4.4 | 1.3 | 19 | 0050 | 1.5 | 0.5 |
| | 1250 | 1.5 | 0.5 | | 0710 | 4.5 | 1.4 |
| SA | 1840 | 3.6 | 1.1 | SU | 1345 | 1.3 | 0.4 |
| SA | | | | DI | 1945 | 3.6 | 1.1 |
| 5 | 0025 | 1.7 | 0.5 | 20 | 0135 | 1.2 | 0.4 |
| | 0705 | 4.7 | 1.4 | | 0750 | 4.6 | 1.4 |
| SU | 1330 | 1.2 | 0.4 | MO | 1415 | 1.2 | 0.4 |
| DI | 1930 | 3.8 | 1.2 | LU | 2020 | 3.8 | 1.2 |
| 6 | 0120 | 1.4 | 0.4 | 21 | 0215 | 1.1 | 0.3 |
| | 0745 | 5.0 | 1.5 | | 0820 | 4.8 | 1.4 |
| MO | 1410 | .9 | 0.3 | TU | 1445 | 1.1 | 0.3 |
| LU | 2015 | 4.1 | 1.2 | MA | 2050 | 4.0 | 1.2 |
| 7 | 0210 | 1.1 | 0.3 | 22 | 0250 | 1.0 | 0.3 |
| | 0830 | 5.2 | 1.6 | | 0855 | 4.5 | 1.4 |
| TU | 1455 | .7 | 0.2 | WE | 1505 | 1.2 | 0.4 |
| MA | 2100 | 4.4 | 1.3 | ME | 2120 | 4.1 | 1.2 |
| 8 | 0255 | 1.0 | 0.3 | 23 | 0325 | 1.0 | 0.3 |
| | 0915 | 5.2 | 1.6 | | 0920 | 4.4 | 1.3 |
| WE | 1535 | .7 | 0.2 | TH | 1525 | 1.2 | 0.4 |
| ME | 2140 | 4.5 | 1.4 | JE | 2140 | 4.1 | 1.2 |
| 9 | 0345 | .9 | 0.3 | 24 | 0355 | 1.0 | 0.3 |
| | 0955 | 5.0 | 1.5 | | 0950 | 4.2 | 1.3 |
| TH | 1615 | .8 | 0.2 | FR | 1540 | 1.3 | 0.4 |
| JE | 2220 | 4.5 | 1.4 | VE | 2205 | 4.1 | 1.2 |
| 10 | 0430 | 1.0 | 0.3 | 25 | 0425 | 1.1 | 0.3 |
| | 1035 | 4.7 | 1.4 | | 1015 | 3.9 | 1.2 |
| FR | 1700 | 1.0 | 0.3 | SA | 1555 | 1.4 | 0.4 |
| VE | 2300 | 4.5 | 1.4 | SA | 2230 | 4.1 | 1.2 |
| 11 | 0520 | 1.2 | 0.4 | 26 | 0455 | 1.4 | 0.4 |
| | 1115 | 4.2 | 1.3 | | 1040 | 3.6 | 1.1 |
| SA | 1740 | 1.3 | 0.4 | SU | 1615 | 1.6 | 0.5 |
| SA | 2340 | 4.3 | 1.3 | DI | 2255 | 4.0 | 1.2 |
| 12 | 0615 | 1.4 | 0.4 | 27 | 0535 | 1.8 | 0.5 |
| | 1200 | 3.7 | 1.1 | | 1110 | 3.4 | 1.0 |
| SU | 1830 | 1.6 | 0.5 | MO | 1640 | 1.7 | 0.5 |
| DI | | | | LU | 2330 | 3.9 | 1.2 |
| 13 | 0025 | 4.1 | 1.2 | 28 | 0620 | 1.9 | 0.6 |
| | 0715 | 1.7 | 0.5 | | 1145 | 3.1 | 0.9 |
| MO | 1255 | 3.2 | 1.0 | TU | 1715 | 1.9 | 0.6 |
| LU | 1920 | 1.8 | 0.5 | MA | | | |
| 14 | 0115 | 3.9 | 1.2 | | | | |
| | 0835 | 2.0 | 0.6 | | | | |
| TU | 1415 | 2.9 | 0.9 | | | | |
| MA | 2020 | 2.0 | 0.6 | | | | |
| 15 | 0230 | 3.8 | 1.2 | | | | |
| | 1025 | 2.0 | 0.6 | | | | |
| WE | 1625 | 2.8 | 0.9 | | | | |
| ME | 2135 | 2.0 | 0.6 | | | | |

## MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht ft | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0010 | 3.7 | 1.1 | 16 | 0200 | 3.5 | 1.1 |
| | 0735 | 2.2 | 0.7 | | 1025 | 1.9 | 0.6 |
| WE | 1235 | 2.8 | 0.9 | TH | 1640 | 2.7 | 0.8 |
| ME | 1825 | 2.1 | 0.6 | JE | 2120 | 2.0 | 0.6 |
| 2 | 0115 | 3.6 | 1.1 | 17 | 0430 | 3.5 | 1.1 |
| | 0920 | 2.2 | 0.7 | | 1135 | 1.7 | 0.5 |
| TH | 1420 | 2.7 | 0.8 | FR | 1730 | 2.9 | 0.9 |
| JE | 2015 | 2.2 | 0.7 | VE | 2245 | 1.9 | 0.6 |
| 3 | 0330 | 3.5 | 1.1 | 18 | 0535 | 3.8 | 1.2 |
| | 1050 | 2.0 | 0.6 | | 1215 | 1.5 | 0.5 |
| FR | 1645 | 2.9 | 0.9 | SA | 1810 | 3.2 | 1.0 |
| VE | 2155 | 2.1 | 0.6 | SA | 2350 | 1.8 | 0.5 |
| 4 | 0515 | 3.8 | 1.2 | 19 | 0615 | 4.0 | 1.2 |
| | 1145 | 1.7 | 0.5 | | 1245 | 1.3 | 0.4 |
| SA | 1740 | 3.2 | 1.0 | SU | 1845 | 3.4 | 1.0 |
| SA | 2315 | 1.9 | 0.6 | DI | | | |
| 5 | 0605 | 4.3 | 1.3 | 20 | 0040 | 1.3 | 0.4 |
| | 1225 | 1.3 | 0.4 | | 0650 | 4.1 | 1.2 |
| SU | 1825 | 3.6 | 1.1 | MO | 1315 | 1.2 | 0.4 |
| DI | | | | LU | 1915 | 3.7 | 1.1 |
| 6 | 0020 | 1.5 | 0.5 | 21 | 0120 | 1.1 | 0.3 |
| | 0650 | 4.6 | 1.4 | | 0725 | 4.2 | 1.3 |
| MO | 1305 | .9 | 0.3 | TU | 1340 | 1.1 | 0.3 |
| LU | 1910 | 4.0 | 1.2 | MA | 1945 | 3.9 | 1.2 |
| 7 | 0110 | 1.1 | 0.3 | 22 | 0200 | .9 | 0.3 |
| | 0730 | 4.9 | 1.5 | | 0755 | 4.2 | 1.3 |
| TU | 1345 | .7 | 0.2 | WE | 1405 | 1.1 | 0.3 |
| MA | 1950 | 4.4 | 1.3 | ME | 2015 | 4.0 | 1.2 |
| 8 | 0200 | .8 | 0.2 | 23 | 0230 | .7 | 0.2 |
| | 0815 | 5.0 | 1.5 | | 0825 | 4.2 | 1.3 |
| WE | 1425 | .5 | 0.2 | TH | 1425 | 1.1 | 0.3 |
| ME | 2035 | 4.6 | 1.4 | JE | 2040 | 4.2 | 1.3 |
| 9 | 0245 | .5 | 0.2 | 24 | 0305 | .7 | 0.2 |
| | 0855 | 5.0 | 1.5 | | 0855 | 4.0 | 1.2 |
| TH | 1505 | .5 | 0.2 | FR | 1440 | 1.1 | 0.3 |
| JE | 2115 | 4.8 | 1.5 | VE | 2100 | 4.2 | 1.3 |
| 10 | 0335 | .5 | 0.2 | 25 | 0330 | .7 | 0.2 |
| | 0940 | 4.7 | 1.4 | | 0920 | 3.8 | 1.2 |
| FR | 1545 | .7 | 0.2 | SA | 1500 | 1.2 | 0.4 |
| VE | 2155 | 4.8 | 1.5 | SA | 2125 | 4.3 | 1.3 |
| 11 | 0420 | .6 | 0.2 | 26 | 0400 | .9 | 0.3 |
| | 1020 | 4.3 | 1.3 | | 0945 | 3.6 | 1.1 |
| SA | 1630 | .9 | 0.3 | SU | 1515 | 1.3 | 0.4 |
| SA | 2235 | 4.7 | 1.4 | DI | 2155 | 4.2 | 1.3 |
| 12 | 0505 | .8 | 0.2 | 27 | 0430 | 1.1 | 0.3 |
| | 1100 | 3.9 | 1.2 | | 1015 | 3.4 | 1.0 |
| SU | 1710 | 1.2 | 0.4 | MO | 1535 | 1.4 | 0.4 |
| DI | 2310 | 4.4 | 1.3 | LU | 2220 | 4.1 | 1.2 |
| 13 | 0555 | 1.2 | 0.4 | 28 | 0510 | 1.4 | 0.4 |
| | 1140 | 3.4 | 1.0 | | 1045 | 3.2 | 1.0 |
| MO | 1755 | 1.6 | 0.5 | TU | 1600 | 1.6 | 0.5 |
| LU | 2355 | 4.1 | 1.2 | MA | 2255 | 3.9 | 1.2 |
| 14 | 0700 | 1.6 | 0.5 | 29 | 0555 | 1.8 | 0.5 |
| | 1230 | 2.9 | 0.9 | | 1120 | 2.9 | 0.9 |
| TU | 1850 | 1.8 | 0.5 | WE | 1630 | 1.8 | 0.5 |
| MA | | | | ME | 2340 | 3.7 | 1.1 |
| 15 | 0040 | 3.8 | 1.2 | 30 | 0710 | 2.0 | 0.6 |
| | 0825 | 1.9 | 0.6 | | 1210 | 2.7 | 0.8 |
| WE | 1355 | 2.6 | 0.8 | TH | 1745 | 2.0 | 0.6 |
| ME | 1955 | 2.0 | 0.6 | JE | | | |
| | | | | 31 | 0035 | 3.5 | 1.1 |
| | | | | | 0845 | 2.0 | 0.6 |
| | | | | FR | 1355 | 2.8 | 0.8 |
| | | | | VE | 1950 | 2.1 | 0.6 |

## TABLE DES MAREES

# ST. JOHN'S (NFLD.)

1989

### APRIL AVRIL

| Day | Time | Ht ft | Ht m | Day | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0240 | 3.4 | 1.0 | 16 | 0455 | 3.4 | 1.0 |
| | 1010 | 1.8 | .5 | | 1125 | 1.4 | .4 |
| SA | 1620 | 2.8 | .9 | SU | 1735 | 3.1 | .9 |
| SA | 2135 | 2.0 | .6 | DI | 2325 | 1.5 | .5 |
| 2 | 0445 | 3.6 | 1.1 | 17 | 0535 | 3.5 | 1.1 |
| | 1100 | 1.4 | .4 | | 1155 | 1.3 | .4 |
| SU | 1715 | 3.3 | 1.0 | MO | 1805 | 3.4 | 1.0 |
| DI | 2255 | 1.7 | .5 | LU | | | |
| 3 | 0535 | 4.0 | 1.2 | 18 | 0015 | 1.2 | .4 |
| | 1145 | 1.1 | .3 | | 0615 | 3.6 | 1.1 |
| MO | 1755 | 3.7 | 1.1 | TU | 1225 | 1.2 | .4 |
| LU | | | | MA | 1835 | 3.6 | 1.1 |
| 4 | 0000 | 1.3 | .4 | 19 | 0055 | 1.0 | .3 |
| | 0620 | 4.3 | 1.3 | | 0645 | 3.7 | 1.1 |
| TU | 1230 | .7 | .2 | WE | 1250 | 1.1 | .3 |
| MA | 1840 | 4.1 | 1.2 | ME | 1900 | 3.8 | 1.2 |
| 5 | 0055 | .8 | .2 | 20 | 0130 | .7 | .2 |
| | 0705 | 4.5 | 1.4 | | 0720 | 3.7 | 1.1 |
| WE | 1310 | .5 | .2 | TH | 1315 | 1.1 | .3 |
| ME | 1920 | 4.4 | 1.3 | JE | 1925 | 4.0 | 1.2 |
| 6 | 0145 | .5 | .2 | 21 | 0205 | .6 | .2 |
| | 0750 | 4.5 | 1.4 | | 0750 | 3.6 | 1.1 |
| TH | 1355 | .5 | .2 | FR | 1335 | 1.1 | .3 |
| JE | 2000 | 4.7 | 1.4 | VE | 1955 | 4.2 | 1.3 |
| 7 | 0230 | .2 | .1 | 22 | 0235 | .6 | .2 |
| | 0835 | 4.4 | 1.3 | | 0820 | 3.5 | 1.1 |
| FR | 1435 | .5 | .2 | SA | 1400 | 1.1 | .3 |
| VE | 2045 | 4.8 | 1.5 | SA | 2025 | 4.3 | 1.3 |
| 8 | 0315 | .2 | .1 | 23 | 0310 | .6 | .2 |
| | 0915 | 4.2 | 1.3 | | 0850 | 3.4 | 1.0 |
| SA | 1515 | .6 | .2 | SU | 1425 | 1.1 | .3 |
| SA | 2125 | 4.8 | 1.5 | DI | 2055 | 4.3 | 1.3 |
| 9 | 0400 | .3 | .1 | 24 | 0340 | .8 | .2 |
| | 1000 | 3.8 | 1.2 | | 0920 | 3.3 | 1.0 |
| SU | 1555 | .9 | .3 | MO | 1450 | 1.2 | .4 |
| DI | 2205 | 4.7 | 1.4 | LU | 2125 | 4.2 | 1.3 |
| 10 | 0450 | .7 | .2 | 25 | 0410 | 1.0 | .3 |
| | 1040 | 3.4 | 1.0 | | 0950 | 3.1 | .9 |
| MO | 1635 | 1.2 | .4 | TU | 1515 | 1.3 | .4 |
| LU | 2245 | 4.4 | 1.3 | MA | 2200 | 4.1 | 1.2 |
| 11 | 0540 | 1.1 | .3 | 26 | 0450 | 1.3 | .4 |
| | 1120 | 3.0 | .9 | | 1025 | 3.0 | .9 |
| TU | 1720 | 1.5 | .5 | WE | 1545 | 1.4 | .4 |
| MA | 2325 | 4.0 | 1.2 | ME | 2235 | 3.9 | 1.2 |
| 12 | 0640 | 1.5 | .5 | 27 | 0545 | 1.5 | .5 |
| | 1210 | 2.6 | .8 | | 1110 | 2.8 | .9 |
| WE | 1815 | 1.7 | .5 | TH | 1630 | 1.6 | .5 |
| ME | | | | JE | 2320 | 3.7 | 1.1 |
| 13 | 0010 | 3.6 | 1.1 | 28 | 0650 | 1.6 | .5 |
| | 0805 | 1.7 | .5 | | 1210 | 2.7 | .8 |
| TH | 1335 | 2.4 | .7 | FR | 1750 | 1.8 | .5 |
| JE | 1925 | 1.9 | .6 | VE | | | |
| 14 | 0120 | 3.3 | 1.0 | 29 | 0015 | 3.5 | 1.1 |
| | 0945 | 1.7 | .5 | | 0810 | 1.6 | .5 |
| FR | 1610 | 2.5 | .8 | SA | 1340 | 2.6 | .8 |
| VE | 2055 | 1.9 | .6 | SA | 1930 | 1.9 | .6 |
| 15 | 0350 | 3.2 | 1.0 | 30 | 0145 | 3.3 | 1.0 |
| | 1045 | 1.6 | .5 | | 0920 | 1.4 | .4 |
| SA | 1700 | 2.8 | .9 | SU | 1530 | 2.9 | .9 |
| SA | 2220 | 1.8 | .5 | DI | 2105 | 1.8 | .5 |

### MAY MAI

| Day | Time | Ht ft | Ht m | Day | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0355 | 3.4 | 1.0 | 16 | 0445 | 3.0 | .9 |
| | 1015 | 1.1 | .3 | | 1045 | 1.3 | .4 |
| MO | 1630 | 3.3 | 1.0 | TU | 1710 | 3.2 | 1.0 |
| MA | 2230 | 1.5 | .5 | MA | 2335 | 1.2 | .4 |
| 2 | 0500 | 3.6 | 1.1 | 17 | 0530 | 3.1 | .9 |
| | 1105 | .9 | .3 | | 1120 | 1.2 | .4 |
| TU | 1715 | 3.7 | 1.1 | WE | 1740 | 3.5 | 1.1 |
| MA | 2335 | 1.1 | .3 | ME | | | |
| 3 | 0550 | 3.8 | 1.2 | 18 | 0020 | 1.0 | .3 |
| | 1150 | .7 | .2 | | 0605 | 3.2 | 1.0 |
| WE | 1800 | 4.1 | 1.2 | TH | 1150 | 1.2 | .4 |
| ME | | | | JE | 1810 | 3.7 | 1.1 |
| 4 | 0035 | .7 | .2 | 19 | 0100 | .8 | .2 |
| | 0635 | 3.9 | 1.2 | | 0640 | 3.2 | 1.0 |
| TH | 1235 | .6 | .2 | FR | 1220 | 1.1 | .3 |
| JE | 1845 | 4.4 | 1.3 | VE | 1845 | 3.9 | 1.2 |
| 5 | 0125 | .3 | .1 | 20 | 0135 | .6 | .2 |
| | 0720 | 3.9 | 1.2 | | 0715 | 3.2 | 1.0 |
| FR | 1320 | .5 | .2 | SA | 1255 | 1.1 | .3 |
| VE | 1930 | 4.6 | 1.4 | SA | 1920 | 4.1 | 1.2 |
| 6 | 0210 | .1 | .0 | 21 | 0210 | .6 | .2 |
| | 0810 | 3.8 | 1.2 | | 0750 | 3.2 | 1.0 |
| SA | 1400 | .6 | .2 | SU | 1325 | 1.1 | .3 |
| SA | 2015 | 4.7 | 1.4 | DI | 1955 | 4.2 | 1.3 |
| 7 | 0300 | .2 | .1 | 22 | 0245 | .6 | .2 |
| | 0855 | 3.6 | 1.1 | | 0825 | 3.1 | .9 |
| SU | 1445 | .7 | .2 | MO | 1400 | 1.0 | .3 |
| DI | 2100 | 4.7 | 1.4 | LU | 2035 | 4.2 | 1.3 |
| 8 | 0345 | .3 | .1 | 23 | 0320 | .7 | .2 |
| | 0940 | 3.3 | 1.0 | | 0900 | 3.1 | .9 |
| MO | 1525 | .8 | .2 | TU | 1435 | 1.1 | .3 |
| LU | 2140 | 4.5 | 1.4 | MA | 2110 | 4.2 | 1.3 |
| 9 | 0430 | .6 | .2 | 24 | 0355 | .8 | .2 |
| | 1020 | 3.1 | .9 | | 0940 | 3.0 | .9 |
| TU | 1610 | 1.1 | .3 | WE | 1515 | 1.1 | .3 |
| MA | 2225 | 4.3 | 1.3 | ME | 2150 | 4.1 | 1.2 |
| 10 | 0520 | 1.0 | .3 | 25 | 0440 | 1.0 | .3 |
| | 1105 | 2.8 | .9 | | 1025 | 2.9 | .9 |
| WE | 1655 | 1.3 | .4 | TH | 1555 | 1.3 | .4 |
| ME | 2305 | 3.9 | 1.2 | JE | 2230 | 4.0 | 1.2 |
| 11 | 0615 | 1.3 | .4 | 26 | 0530 | 1.1 | .3 |
| | 1150 | 2.6 | .8 | | 1110 | 2.9 | .9 |
| TH | 1745 | 1.5 | .5 | FR | 1650 | 1.5 | .5 |
| JE | 2345 | 3.5 | 1.1 | VE | 2310 | 3.7 | 1.1 |
| 12 | 0720 | 1.5 | .5 | 27 | 0630 | 1.2 | .4 |
| | 1300 | 2.4 | .7 | | 1210 | 2.8 | .9 |
| FR | 1850 | 1.7 | .5 | SA | 1755 | 1.6 | .5 |
| VE | | | | SA | | | |
| 13 | 0035 | 3.2 | 1.0 | 28 | 0005 | 3.5 | 1.1 |
| | 0830 | 1.5 | .5 | | 0735 | 1.2 | .4 |
| SA | 1440 | 2.5 | .8 | SU | 1320 | 2.8 | .9 |
| SA | 2005 | 1.7 | .5 | DI | 1915 | 1.6 | .5 |
| 14 | 0210 | 3.0 | .9 | 29 | 0115 | 3.2 | 1.0 |
| | 0925 | 1.5 | .5 | | 0830 | 1.1 | .3 |
| SU | 1550 | 2.7 | .8 | MO | 1435 | 3.0 | .9 |
| DI | 2125 | 1.7 | .5 | LU | 2040 | 1.6 | .5 |
| 15 | 0350 | 2.9 | .9 | 30 | 0300 | 3.1 | .9 |
| | 1010 | 1.4 | .4 | | 0925 | 1.0 | .3 |
| MO | 1635 | 3.0 | .9 | TU | 1540 | 3.3 | 1.0 |
| LU | 2240 | 1.5 | .5 | MA | 2200 | 1.3 | .4 |
| | | | | 31 | 0420 | 3.2 | 1.0 |
| | | | | | 1020 | .9 | .3 |
| | | | | WE | 1635 | 3.6 | 1.1 |
| | | | | ME | 2315 | 1.0 | .3 |

### JUNE JUIN

| Day | Time | Ht ft | Ht m | Day | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0520 | 3.3 | 1.0 | 16 | 0525 | 2.8 | .9 |
| | 1110 | .8 | .2 | | 1055 | 1.3 | .4 |
| TH | 1725 | 4.0 | 1.2 | FR | 1730 | 3.6 | 1.1 |
| JE | | | | VE | | | |
| 2 | 0015 | .7 | .2 | 17 | 0030 | .9 | .3 |
| | 0610 | 3.3 | 1.0 | | 0610 | 2.8 | .9 |
| FR | 1200 | .8 | .2 | SA | 1140 | 1.3 | .4 |
| VE | 1815 | 4.2 | 1.3 | SA | 1815 | 3.8 | 1.2 |
| 3 | 0110 | .4 | .1 | 18 | 0110 | .8 | .2 |
| | 0700 | 3.3 | 1.0 | | 0650 | 2.9 | .9 |
| SA | 1250 | .7 | .2 | SU | 1225 | 1.2 | .4 |
| SA | 1905 | 4.4 | 1.3 | DI | 1900 | 4.0 | 1.2 |
| 4 | 0155 | .3 | .1 | 19 | 0150 | .7 | .2 |
| | 0750 | 3.3 | 1.0 | | 0730 | 3.0 | .9 |
| SU | 1340 | .7 | .2 | MO | 1310 | 1.1 | .3 |
| DI | 1955 | 4.5 | 1.4 | LU | 1940 | 4.1 | 1.2 |
| 5 | 0245 | .3 | .1 | 20 | 0225 | .7 | .2 |
| | 0840 | 3.2 | 1.0 | | 0810 | 3.1 | .9 |
| MO | 1425 | .7 | .2 | TU | 1355 | 1.0 | .3 |
| LU | 2040 | 4.5 | 1.4 | MA | 2025 | 4.2 | 1.3 |
| 6 | 0330 | .5 | .2 | 21 | 0305 | .8 | .2 |
| | 0925 | 3.1 | .9 | | 0855 | 3.1 | .9 |
| TU | 1510 | .8 | .2 | WE | 1440 | 1.0 | .3 |
| MA | 2125 | 4.4 | 1.3 | ME | 2105 | 4.3 | 1.3 |
| 7 | 0410 | .7 | .2 | 22 | 0345 | .7 | .2 |
| | 1010 | 3.0 | .9 | | 0940 | 3.2 | 1.0 |
| WE | 1555 | .9 | .3 | TH | 1520 | 1.0 | .3 |
| ME | 2205 | 4.1 | 1.2 | JE | 2145 | 4.2 | 1.3 |
| 8 | 0455 | .9 | .3 | 23 | 0430 | .7 | .2 |
| | 1050 | 2.8 | .9 | | 1025 | 3.2 | 1.0 |
| TH | 1635 | 1.1 | .3 | FR | 1610 | 1.1 | .3 |
| JE | 2245 | 3.8 | 1.2 | VE | 2225 | 4.1 | 1.2 |
| 9 | 0540 | 1.1 | .3 | 24 | 0515 | .8 | .2 |
| | 1135 | 2.8 | .9 | | 1110 | 3.2 | 1.0 |
| FR | 1725 | 1.3 | .4 | SA | 1700 | 1.2 | .4 |
| VE | 2320 | 3.5 | 1.1 | SA | 2310 | 3.8 | 1.2 |
| 10 | 0625 | 1.2 | .4 | 25 | 0605 | .8 | .2 |
| | 1220 | 2.7 | .8 | | 1200 | 3.2 | 1.0 |
| SA | 1815 | 1.4 | .4 | SU | 1800 | 1.3 | .4 |
| SA | | | | DI | 2355 | 3.5 | 1.1 |
| 11 | 0000 | 3.2 | 1.0 | 26 | 0700 | .9 | .3 |
| | 0710 | 1.3 | .4 | | 1250 | 3.2 | 1.0 |
| SU | 1310 | 2.7 | .8 | MO | 1910 | 1.4 | .4 |
| DI | 1920 | 1.5 | .5 | LU | | | |
| 12 | 0055 | 2.9 | .9 | 27 | 0055 | 3.1 | .9 |
| | 0755 | 1.4 | .4 | | 0750 | 1.0 | .3 |
| MO | 1410 | 2.8 | .9 | TU | 1350 | 3.3 | 1.0 |
| LU | 2025 | 1.5 | .5 | MA | 2020 | 1.4 | .4 |
| 13 | 0215 | 2.7 | .8 | 28 | 0220 | 2.9 | .9 |
| | 0840 | 1.4 | .4 | | 0845 | 1.1 | .3 |
| TU | 1510 | 2.9 | .9 | WE | 1450 | 3.4 | 1.0 |
| MA | 2140 | 1.4 | .4 | ME | 2140 | 1.3 | .4 |
| 14 | 0340 | 2.7 | .8 | 29 | 0350 | 2.8 | .9 |
| | 0925 | 1.4 | .4 | | 0940 | 1.1 | .3 |
| WE | 1600 | 3.1 | .9 | TH | 1600 | 3.6 | 1.1 |
| ME | 2250 | 1.3 | .4 | JE | 2300 | 1.1 | .3 |
| 15 | 0440 | 2.7 | .8 | 30 | 0500 | 2.8 | .9 |
| | 1010 | 1.4 | .4 | | 1040 | 1.1 | .3 |
| TH | 1645 | 3.3 | 1.0 | FR | 1700 | 3.6 | 1.2 |
| JE | 2345 | 1.1 | .3 | VE | | | |

# ST. JOHN'S (NST)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0005 | .9 | 3 | 16 | 0010 | 1.2 | 4 |
| | 0555 | 2.9 | 9 | | 0545 | 2.7 | 8 |
| SA | 1140 | 1.0 | 3 | SU | 1115 | 1.5 | 5 |
| SA | 1800 | 4.0 | 12 | DI | 1800 | 3.7 | 11 |
| 2 | 0100 | .7 | 2 | 17 | 0055 | 1.0 | 3 |
| | 0650 | 3.0 | 9 | | 0635 | 2.8 | 9 |
| SU | 1235 | .9 | 3 | MO | 1215 | 1.3 | 4 |
| DI | 1855 | 4.2 | 13 | LU | 1850 | 4.0 | 12 |
| 3 | 0150 | .6 | 2 | 18 | 0130 | .8 | 2 |
| | 0740 | 3.0 | 9 | | 0720 | 3.0 | 9 |
| MO | 1325 | .8 | 2 | TU | 1305 | 1.1 | 3 |
| LU | 1950 | 4.3 | 13 | MA | 1940 | 4.2 | 13 |
| 4 | 0230 | .5 | 2 | 19 | 0210 | .7 | 2 |
| | 0830 | 3.1 | 9 | | 0805 | 3.2 | 10 |
| TU | 1415 | .8 | 2 | WE | 1355 | 1.0 | 3 |
| MA | 2035 | 4.4 | 13 | ME | 2020 | 4.4 | 13 |
| 5 | 0315 | .6 | 2 | 20 | 0250 | .5 | 2 |
| | 0915 | 3.1 | 9 | | 0850 | 3.4 | 10 |
| WE | 1500 | .7 | 2 | TH | 1440 | .8 | 2 |
| ME | 2115 | 4.3 | 13 | JE | 2100 | 4.4 | 13 |
| 6 | 0350 | .7 | 2 | 21 | 0330 | .4 | 1 |
| | 1000 | 3.2 | 10 | | 0935 | 3.6 | 11 |
| TH | 1545 | .8 | 2 | FR | 1525 | .8 | 2 |
| JE | 2150 | 4.1 | 12 | VE | 2140 | 4.4 | 13 |
| 7 | 0425 | .6 | 2 | 22 | 0410 | .4 | 1 |
| | 1035 | 3.1 | 9 | | 1020 | 3.7 | 11 |
| FR | 1625 | .9 | 3 | SA | 1615 | .8 | 2 |
| VE | 2225 | 3.9 | 12 | SA | 2220 | 4.2 | 13 |
| 8 | 0500 | .9 | 3 | 23 | 0455 | .5 | 2 |
| | 1110 | 3.1 | 9 | | 1100 | 3.7 | 11 |
| SA | 1705 | 1.0 | 3 | SU | 1705 | .9 | 3 |
| SA | 2255 | 3.6 | 11 | DI | 2305 | 3.8 | 12 |
| 9 | 0530 | 1.0 | 3 | 24 | 0540 | .7 | 2 |
| | 1140 | 3.1 | 9 | | 1140 | 3.7 | 11 |
| SU | 1750 | 1.2 | 4 | MO | 1800 | 1.1 | 3 |
| DI | 2330 | 3.3 | 10 | LU | 2350 | 3.4 | 10 |
| 10 | 0600 | 1.2 | 4 | 25 | 0625 | .9 | 3 |
| | 1215 | 3.1 | 9 | | 1225 | 3.6 | 11 |
| MO | 1835 | 1.3 | 4 | TU | 1900 | 1.2 | 4 |
| LU | | | | MA | | | |
| 11 | 0010 | 3.0 | 9 | 26 | 0040 | 3.0 | 9 |
| | 0635 | 1.3 | 4 | | 0720 | 1.2 | 4 |
| TU | 1255 | 3.1 | 9 | WE | 1315 | 3.5 | 11 |
| MA | 1930 | 1.4 | 4 | ME | 2010 | 1.4 | 4 |
| 12 | 0105 | 2.7 | 8 | 27 | 0155 | 2.7 | 8 |
| | 0720 | 1.4 | 4 | | 0815 | 1.3 | 4 |
| WE | 1345 | 3.1 | 9 | TH | 1415 | 3.5 | 11 |
| ME | 2040 | 1.5 | 5 | JE | 2135 | 1.4 | 4 |
| 13 | 0220 | 2.5 | 8 | 28 | 0335 | 2.5 | 8 |
| | 0810 | 1.5 | 5 | | 0915 | 1.4 | 4 |
| TH | 1445 | 3.1 | 9 | FR | 1540 | 3.5 | 11 |
| JE | 2205 | 1.5 | 5 | VE | 2305 | 1.3 | 4 |
| 14 | 0345 | 2.4 | 7 | 29 | 0500 | 2.6 | 8 |
| | 0905 | 1.6 | 5 | | 1025 | 1.4 | 4 |
| FR | 1600 | 3.3 | 10 | SA | 1700 | 3.7 | 11 |
| VE | 2320 | 1.4 | 4 | SA | | | |
| 15 | 0455 | 2.5 | 8 | 30 | 0010 | 1.1 | 3 |
| | 1010 | 1.5 | 5 | | 0600 | 2.7 | 8 |
| SA | 1705 | 3.5 | 11 | SU | 1130 | 1.2 | 4 |
| SA | | | | DI | 1805 | 4.0 | 12 |
| | | | | 31 | 0100 | .9 | 3 |
| | | | | | 0650 | 2.9 | 9 |
| | | | | MO | 1230 | 1.1 | 3 |
| | | | | LU | 1900 | 4.2 | 13 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | .8 | 2 | 16 | 0110 | .9 | 3 |
| | 0740 | 3.1 | 9 | | 0710 | 3.3 | 10 |
| TU | 1320 | .9 | 3 | WE | 1300 | 1.1 | 3 |
| MA | 1945 | 4.3 | 13 | ME | 1925 | 4.4 | 13 |
| 2 | 0220 | .7 | 2 | 17 | 0130 | .8 | 2 |
| | 0825 | 3.3 | 10 | | 0750 | 3.6 | 11 |
| WE | 1410 | .8 | 2 | TH | 1350 | .9 | 3 |
| ME | 2025 | 4.3 | 13 | JE | 2010 | 4.6 | 14 |
| 3 | 0255 | .6 | 2 | 18 | 0225 | .4 | 1 |
| | 0900 | 3.4 | 10 | | 0835 | 3.9 | 12 |
| TH | 1455 | .7 | 2 | FR | 1435 | .7 | 2 |
| JE | 2100 | 4.3 | 13 | VE | 2050 | 4.6 | 14 |
| 4 | 0325 | .7 | 2 | 19 | 0305 | .3 | 1 |
| | 0935 | 3.5 | 11 | | 0915 | 4.1 | 12 |
| FR | 1530 | .7 | 2 | SA | 1520 | .6 | 2 |
| VE | 2130 | 4.1 | 12 | SA | 2130 | 4.5 | 14 |
| 5 | 0350 | .7 | 2 | 20 | 0345 | .3 | 1 |
| | 1005 | 3.6 | 11 | | 0955 | 4.2 | 13 |
| SA | 1610 | .8 | 2 | SU | 1610 | .6 | 2 |
| SA | 2200 | 3.9 | 12 | DI | 2210 | 4.3 | 13 |
| 6 | 0415 | .9 | 3 | 21 | 0430 | .5 | 2 |
| | 1035 | 3.6 | 11 | | 1035 | 4.2 | 13 |
| SU | 1640 | .9 | 3 | MO | 1655 | .7 | 2 |
| DI | 2230 | 3.6 | 11 | LU | 2250 | 3.9 | 12 |
| 7 | 0435 | 1.0 | 3 | 22 | 0510 | .5 | 2 |
| | 1100 | 3.5 | 11 | | 1115 | 4.1 | 12 |
| MO | 1720 | 1.1 | 3 | TU | 1750 | 1.0 | 3 |
| LU | 2300 | 3.3 | 10 | MA | 2335 | 3.4 | 10 |
| 8 | 0455 | 1.1 | 3 | 23 | 0555 | 1.1 | 3 |
| | 1125 | 3.5 | 11 | | 1155 | 3.9 | 12 |
| TU | 1800 | 1.3 | 4 | WE | 1845 | 1.3 | 4 |
| MA | 2330 | 3.0 | 9 | ME | | | |
| 9 | 0520 | 1.3 | 4 | 24 | 0025 | 2.9 | 9 |
| | 1200 | 3.4 | 10 | | 0650 | 1.4 | 4 |
| WE | 1850 | 1.5 | 5 | TH | 1245 | 3.7 | 11 |
| ME | | | | JE | 2000 | 1.5 | 5 |
| 10 | 0010 | 2.7 | 8 | 25 | 0135 | 2.5 | 8 |
| | 0600 | 1.5 | 5 | | 0750 | 1.6 | 5 |
| TH | 1240 | 3.3 | 10 | FR | 1355 | 3.5 | 11 |
| JE | 1955 | 1.7 | 5 | VE | 2145 | 1.6 | 5 |
| 11 | 0110 | 2.5 | 8 | 26 | 0355 | 2.4 | 7 |
| | 0700 | 1.7 | 5 | | 0900 | 1.7 | 5 |
| FR | 1345 | 3.2 | 10 | SA | 1545 | 3.5 | 11 |
| VE | 2130 | 1.8 | 5 | SA | 2315 | 1.5 | 5 |
| 12 | 0245 | 2.3 | 7 | 27 | 0515 | 2.6 | 8 |
| | 0815 | 1.8 | 5 | | 1020 | 1.6 | 5 |
| SA | 1525 | 3.2 | 10 | SU | 1715 | 3.7 | 11 |
| SA | 2300 | 1.8 | 5 | DI | | | |
| 13 | 0435 | 2.5 | 8 | 28 | 0010 | 1.3 | 4 |
| | 0945 | 1.8 | 5 | | 0605 | 2.9 | 9 |
| SU | 1700 | 3.5 | 11 | MO | 1130 | 1.4 | 4 |
| DI | 2355 | 1.4 | 4 | LU | 1810 | 4.0 | 12 |
| 14 | 0540 | 2.7 | 8 | 29 | 0050 | 1.1 | 3 |
| | 1100 | 1.6 | 5 | | 0645 | 3.1 | 9 |
| MO | 1800 | 3.8 | 12 | TU | 1225 | 1.2 | 4 |
| LU | | | | MA | 1850 | 4.2 | 13 |
| 15 | 0035 | 1.2 | 4 | 30 | 0125 | .9 | 3 |
| | 0625 | 3.0 | 9 | | 0725 | 3.4 | 10 |
| TU | 1205 | 1.4 | 4 | WE | 1315 | .9 | 3 |
| MA | 1845 | 4.1 | 12 | ME | 1930 | 4.3 | 13 |
| | | | | 31 | 0155 | .8 | 2 |
| | | | | | 0800 | 3.8 | 11 |
| | | | | TH | 1400 | .8 | 2 |
| | | | | JE | 2005 | 4.3 | 13 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0225 | .8 | 2 | 16 | 0155 | .4 | 1 |
| | 0835 | 3.8 | 12 | | 0805 | 4.4 | 13 |
| FR | 1435 | .7 | 2 | SA | 1420 | .5 | 2 |
| VE | 2035 | 4.2 | 13 | SA | 2030 | 4.7 | 14 |
| 2 | 0250 | .8 | 2 | 17 | 0235 | .4 | 1 |
| | 0905 | 3.9 | 12 | | 0845 | 4.8 | 14 |
| SA | 1510 | .8 | 2 | SU | 1505 | .4 | 1 |
| SA | 2105 | 4.1 | 12 | DI | 2110 | 4.5 | 14 |
| 3 | 0310 | .8 | 2 | 18 | 0320 | .5 | 2 |
| | 0930 | 3.9 | 12 | | 0930 | 4.7 | 14 |
| SU | 1545 | .7 | 2 | MO | 1555 | .4 | 1 |
| DI | 2135 | 3.9 | 12 | LU | 2155 | 4.2 | 13 |
| 4 | 0330 | .9 | 3 | 19 | 0400 | .7 | 2 |
| | 0950 | 3.8 | 12 | | 1010 | 4.6 | 14 |
| MO | 1615 | .8 | 2 | TU | 1640 | .7 | 2 |
| LU | 2200 | 3.6 | 11 | MA | 2235 | 3.8 | 12 |
| 5 | 0345 | 1.1 | 3 | 20 | 0440 | 1.0 | 3 |
| | 1015 | 3.9 | 12 | | 1050 | 4.5 | 14 |
| TU | 1645 | 1.1 | 3 | WE | 1730 | 1.0 | 3 |
| MA | 2225 | 3.4 | 10 | ME | 2320 | 3.3 | 10 |
| 6 | 0400 | 1.2 | 4 | 21 | 0530 | 1.3 | 4 |
| | 1045 | 3.8 | 12 | | 1130 | 4.2 | 13 |
| WE | 1720 | 1.3 | 4 | TH | 1835 | 1.4 | 4 |
| ME | 2255 | 3.1 | 9 | JE | | | |
| 7 | 0420 | 1.4 | 4 | 22 | 0005 | 2.9 | 9 |
| | 1115 | 3.7 | 11 | | 0620 | 1.8 | 5 |
| TH | 1810 | 1.7 | 5 | FR | 1220 | 3.9 | 12 |
| JE | 2330 | 2.8 | 9 | VE | 1955 | 1.7 | 5 |
| 8 | 0450 | 1.8 | 5 | 23 | 0120 | 2.5 | 8 |
| | 1155 | 3.5 | 11 | | 0725 | 1.8 | 5 |
| FR | 1920 | 1.9 | 6 | SA | 1335 | 3.6 | 11 |
| VE | | | | SA | 2150 | 1.8 | 5 |
| 9 | 0015 | 2.6 | 8 | 24 | 0410 | 2.5 | 8 |
| | 0545 | 1.8 | 5 | | 0850 | 1.9 | 6 |
| SA | 1255 | 3.4 | 10 | SU | 1555 | 3.5 | 11 |
| SA | 2100 | 2.0 | 6 | DI | 2305 | 1.8 | 5 |
| 10 | 0140 | 2.4 | 7 | 25 | 0510 | 2.8 | 9 |
| | 0735 | 2.0 | 6 | | 1010 | 1.8 | 5 |
| SU | 1445 | 3.3 | 10 | MO | 1705 | 3.8 | 12 |
| DI | 2235 | 1.9 | 6 | LU | 2350 | 1.4 | 4 |
| 11 | 0425 | 2.5 | 8 | 26 | 0545 | 3.1 | 9 |
| | 0920 | 2.0 | 6 | | 1120 | 1.5 | 5 |
| MO | 1655 | 3.6 | 11 | TU | 1750 | 3.9 | 12 |
| LU | 2325 | 1.6 | 5 | MA | | | |
| 12 | 0520 | 2.9 | 9 | 27 | 0020 | 1.2 | 4 |
| | 1045 | 1.8 | 5 | | 0620 | 3.4 | 10 |
| TU | 1745 | 3.9 | 12 | WE | 1215 | 1.3 | 4 |
| MA | | | | ME | 1825 | 4.1 | 12 |
| 13 | 0000 | 1.2 | 4 | 28 | 0050 | 1.1 | 3 |
| | 0605 | 3.3 | 10 | | 0655 | 3.6 | 11 |
| WE | 1150 | 1.4 | 4 | TH | 1300 | 1.0 | 3 |
| ME | 1825 | 4.2 | 13 | JE | 1900 | 4.2 | 13 |
| 14 | 0040 | .9 | 3 | 29 | 0120 | 1.0 | 3 |
| | 0645 | 3.7 | 11 | | 0725 | 3.9 | 12 |
| TH | 1245 | 1.1 | 3 | FR | 1340 | .8 | 2 |
| JE | 1905 | 4.5 | 14 | VE | 1935 | 4.2 | 13 |
| 15 | 0120 | .8 | 2 | 30 | 0145 | 1.0 | 3 |
| | 0725 | 4.1 | 12 | | 0755 | 4.0 | 12 |
| FR | 1335 | .8 | 2 | SA | 1415 | .7 | 2 |
| VE | 1945 | 4.7 | 14 | SA | 2005 | 4.1 | 12 |

## TABLE DES MAREES

# ST. JOHN'S (HNTN)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0205 | 1.0 | | 3 | | 16 | 0205 | .6 | | 2 | |
| | 0820 | 4.2 | | 1 3 | | | 0815 | 4.9 | | 1 5 | |
| SU | 1445 | .7 | | 2 | | MO | 1450 | .4 | | 1 | |
| DI | 2035 | 4.0 | | 1 2 | | LU | 2050 | 4.3 | | 1 3 | |
| 2 | 0225 | 1.1 | | 3 | | 17 | 0245 | .7 | | 2 | |
| | 0845 | 4.2 | | 1 3 | | | 0900 | 5.0 | | 1 5 | |
| MO | 1515 | .7 | | 2 | | TU | 1535 | .5 | | 2 | |
| LU | 2100 | 3.8 | | 1 2 | | MA | 2135 | 4.0 | | 1 2 | |
| 3 | 0245 | 1.1 | | 3 | | 18 | 0330 | .9 | | 3 | |
| | 0910 | 4.3 | | 1 3 | | | 0940 | 4.9 | | 1 5 | |
| TU | 1545 | .9 | | 3 | | WE | 1625 | .7 | | 2 | |
| MA | 2130 | 3.6 | | 1 1 | | ME | 2220 | 3.7 | | 1 1 | |
| 4 | 0300 | 1.2 | | 4 | | 19 | 0415 | 1.2 | | 4 | |
| | 0935 | 4.2 | | 1 3 | | | 1025 | 4.7 | | 1 4 | |
| WE | 1615 | 1.2 | | 4 | | TH | 1715 | 1.1 | | 3 | |
| ME | 2155 | 3.4 | | 1 0 | | JE | 2300 | 3.3 | | 1 0 | |
| 5 | 0320 | 1.4 | | 4 | | 20 | 0500 | 1.5 | | 5 | |
| | 1005 | 4.1 | | 1 2 | | | 1110 | 4.4 | | 1 3 | |
| TH | 1650 | 1.5 | | 5 | | FR | 1815 | 1.5 | | 5 | |
| JE | 2225 | 3.2 | | 1 0 | | VE | 2350 | 2.9 | | 9 | |
| 6 | 0340 | 1.5 | | 5 | | 21 | 0555 | 1.8 | | 5 | |
| | 1040 | 4.0 | | 1 2 | | | 1200 | 4.0 | | 1 2 | |
| FR | 1735 | 1.8 | | 5 | | SA | 1935 | 1.8 | | 5 | |
| VE | 2255 | 3.0 | | 9 | | SA | | | | | |
| 7 | 0410 | 1.7 | | 5 | | 22 | 0105 | 2.7 | | 8 | |
| | 1120 | 3.8 | | 1 2 | | | 0705 | 2.0 | | 6 | |
| SA | 1845 | 2.0 | | 6 | | SU | 1305 | 3.6 | | 1 1 | |
| SA | 2345 | 2.8 | | 9 | | DI | 2105 | 1.9 | | 6 | |
| 8 | 0505 | 2.0 | | 6 | | 23 | 0320 | 2.7 | | 8 | |
| | 1215 | 3.6 | | 1 1 | | | 0825 | 2.0 | | 6 | |
| SU | 2015 | 2.1 | | 6 | | MO | 1510 | 3.5 | | 1 1 | |
| DI | | | | | | LU | 2215 | 1.8 | | 5 | |
| 9 | 0105 | 2.6 | | 8 | | 24 | 0425 | 3.0 | | 9 | |
| | 0705 | 2.1 | | 6 | | | 0945 | 1.9 | | 6 | |
| MO | 1345 | 3.4 | | 1 0 | | TU | 1630 | 3.6 | | 1 1 | |
| LU | 2140 | 1.9 | | 6 | | MA | 2255 | 1.7 | | 5 | |
| 10 | 0340 | 2.8 | | 9 | | 25 | 0505 | 3.3 | | 1 0 | |
| | 0855 | 2.1 | | 6 | | | 1055 | 1.7 | | 5 | |
| TU | 1615 | 3.6 | | 1 1 | | WE | 1715 | 3.7 | | 1 1 | |
| MA | 2235 | 1.6 | | 5 | | ME | 2330 | 1.5 | | 5 | |
| 11 | 0445 | 3.2 | | 1 0 | | 26 | 0540 | 3.6 | | 1 1 | |
| | 1020 | 1.9 | | 6 | | | 1150 | 1.4 | | 4 | |
| WE | 1710 | 3.9 | | 1 2 | | TH | 1750 | 3.8 | | 1 2 | |
| ME | 2315 | 1.3 | | 4 | | JE | | | | | |
| 12 | 0525 | 3.6 | | 1 1 | | 27 | 0000 | 1.4 | | 4 | |
| | 1130 | 1.5 | | 5 | | | 0610 | 3.8 | | 1 2 | |
| TH | 1755 | 4.2 | | 1 3 | | FR | 1235 | 1.2 | | 4 | |
| JE | | | | | | VE | 1825 | 3.9 | | 1 2 | |
| 13 | 0000 | 1.0 | | 3 | | 28 | 0030 | 1.3 | | 4 | |
| | 0605 | 4.1 | | 1 2 | | | 0640 | 4.0 | | 1 2 | |
| FR | 1225 | 1.1 | | 3 | | SA | 1310 | 1.0 | | 3 | |
| VE | 1835 | 4.4 | | 1 3 | | SA | 1900 | 3.9 | | 1 2 | |
| 14 | 0040 | .8 | | 2 | | 29 | 0055 | 1.3 | | 4 | |
| | 0650 | 4.4 | | 1 3 | | | 0705 | 4.2 | | 1 3 | |
| SA | 1315 | .7 | | 2 | | SU | 1345 | .9 | | 3 | |
| SA | 1920 | 4.5 | | 1 4 | | DI | 1930 | 3.8 | | 1 2 | |
| 15 | 0120 | .6 | | 2 | | 30 | 0120 | 1.3 | | 4 | |
| | 0730 | 4.7 | | 1 4 | | | 0735 | 4.3 | | 1 3 | |
| SU | 1400 | .5 | | 2 | | MO | 1420 | .8 | | 2 | |
| DI | 2005 | 4.5 | | 1 4 | | LU | 2000 | 3.8 | | 1 2 | |
| | | | | | | 31 | 0145 | 1.3 | | 4 | |
| | | | | | | | 0805 | 4.4 | | 1 3 | |
| | | | | | | TU | 1450 | .9 | | 3 | |
| | | | | | | MA | 2030 | 3.7 | | 1 1 | |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0210 | 1.4 | | 4 | | 16 | 0305 | 1.2 | | 4 | |
| | 0835 | 4.5 | | 1 4 | | | 0920 | 5.0 | | 1 5 | |
| WE | 1520 | 1.1 | | 3 | | TH | 1605 | .9 | | 3 | |
| ME | 2100 | 3.6 | | 1 1 | | JE | 2205 | 3.6 | | 1 1 | |
| 2 | 0230 | 1.4 | | 4 | | 17 | 0350 | 1.3 | | 4 | |
| | 0910 | 4.5 | | 1 4 | | | 1005 | 4.8 | | 1 5 | |
| TH | 1550 | 1.3 | | 4 | | FR | 1655 | 1.2 | | 4 | |
| JE | 2130 | 3.4 | | 1 0 | | VE | 2250 | 3.4 | | 1 0 | |
| 3 | 0300 | 1.5 | | 5 | | 18 | 0440 | 1.6 | | 5 | |
| | 0945 | 4.4 | | 1 3 | | | 1050 | 4.5 | | 1 4 | |
| FR | 1625 | 1.5 | | 5 | | SA | 1750 | 1.6 | | 5 | |
| VE | 2205 | 3.3 | | 1 0 | | SA | 2340 | 3.2 | | 1 0 | |
| 4 | 0330 | 1.6 | | 5 | | 19 | 0535 | 1.8 | | 5 | |
| | 1020 | 4.2 | | 1 3 | | | 1135 | 4.1 | | 1 2 | |
| SA | 1710 | 1.8 | | 5 | | SU | 1855 | 1.8 | | 5 | |
| SA | 2245 | 3.2 | | 1 0 | | DI | | | | | |
| 5 | 0410 | 1.8 | | 5 | | 20 | 0035 | 3.0 | | 9 | |
| | 1100 | 4.0 | | 1 2 | | | 0635 | 2.0 | | 6 | |
| SU | 1815 | 1.9 | | 6 | | MO | 1225 | 3.7 | | 1 1 | |
| DI | 2335 | 3.0 | | 9 | | LU | 1955 | 1.9 | | 6 | |
| 6 | 0510 | 2.0 | | 6 | | 21 | 0155 | 3.0 | | 9 | |
| | 1145 | 3.8 | | 1 2 | | | 0745 | 2.1 | | 6 | |
| MO | 1930 | 2.0 | | 6 | | TU | 1340 | 3.4 | | 1 0 | |
| LU | | | | | | MA | 2055 | 1.9 | | 6 | |
| 7 | 0050 | 3.0 | | 9 | | 22 | 0315 | 3.2 | | 1 0 | |
| | 0645 | 2.2 | | 7 | | | 0900 | 2.0 | | 6 | |
| TU | 1255 | 3.6 | | 1 1 | | WE | 1520 | 3.3 | | 1 0 | |
| MA | 2040 | 1.9 | | 6 | | ME | 2140 | 1.9 | | 6 | |
| 8 | 0230 | 3.1 | | 9 | | 23 | 0405 | 3.4 | | 1 0 | |
| | 0820 | 2.1 | | 6 | | | 1015 | 1.9 | | 6 | |
| WE | 1505 | 3.5 | | 1 1 | | TH | 1620 | 3.4 | | 1 0 | |
| ME | 2135 | 1.6 | | 5 | | JE | 2220 | 1.8 | | 5 | |
| 9 | 0350 | 3.5 | | 1 1 | | 24 | 0445 | 3.6 | | 1 1 | |
| | 0950 | 1.9 | | 6 | | | 1115 | 1.7 | | 5 | |
| TH | 1625 | 3.7 | | 1 1 | | FR | 1710 | 3.5 | | 1 1 | |
| JE | 2230 | 1.4 | | 4 | | VE | 2300 | 1.7 | | 5 | |
| 10 | 0440 | 3.9 | | 1 2 | | 25 | 0520 | 3.9 | | 1 2 | |
| | 1100 | 1.6 | | 5 | | | 1205 | 1.4 | | 4 | |
| FR | 1720 | 3.9 | | 1 2 | | SA | 1750 | 3.5 | | 1 1 | |
| VE | 2315 | 1.2 | | 4 | | SA | 2330 | 1.7 | | 5 | |
| 11 | 0525 | 4.3 | | 1 3 | | 26 | 0555 | 4.1 | | 1 2 | |
| | 1200 | 1.2 | | 4 | | | 1245 | 1.3 | | 4 | |
| SA | 1805 | 4.1 | | 1 2 | | SU | 1825 | 3.6 | | 1 1 | |
| SA | | | | | | DI | | | | | |
| 12 | 0005 | 1.1 | | 3 | | 27 | 0005 | 1.7 | | 5 | |
| | 0610 | 4.7 | | 1 4 | | | 0625 | 4.3 | | 1 3 | |
| SU | 1255 | .8 | | 2 | | MO | 1320 | 1.1 | | 3 | |
| DI | 1855 | 4.2 | | 1 3 | | LU | 1900 | 3.6 | | 1 1 | |
| 13 | 0050 | 1.0 | | 3 | | 28 | 0040 | 1.6 | | 5 | |
| | 0700 | 4.9 | | 1 5 | | | 0700 | 4.4 | | 1 3 | |
| MO | 1345 | .6 | | 2 | | TU | 1355 | 1.1 | | 3 | |
| LU | 1940 | 4.2 | | 1 3 | | MA | 1935 | 3.6 | | 1 1 | |
| 14 | 0135 | 1.0 | | 3 | | 29 | 0115 | 1.6 | | 5 | |
| | 0745 | 5.1 | | 1 6 | | | 0740 | 4.6 | | 1 4 | |
| TU | 1430 | .5 | | 2 | | WE | 1430 | 1.1 | | 3 | |
| MA | 2030 | 4.0 | | 1 2 | | ME | 2010 | 3.6 | | 1 1 | |
| 15 | 0220 | 1.0 | | 3 | | 30 | 0145 | 1.6 | | 5 | |
| | 0835 | 5.1 | | 1 6 | | | 0815 | 4.6 | | 1 4 | |
| WE | 1520 | .6 | | 2 | | TH | 1500 | 1.2 | | 4 | |
| ME | 2120 | 3.9 | | 1 2 | | JE | 2045 | 3.6 | | 1 1 | |

### DECEMBER-DECEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0220 | 1.6 | | 5 | | 16 | 0340 | 1.3 | | 4 | |
| | 0855 | 4.7 | | 1 4 | | | 0955 | 4.9 | | 1 5 | |
| FR | 1535 | 1.3 | | 4 | | SA | 1635 | 1.2 | | 4 | |
| VE | 2120 | 3.5 | | 1 1 | | SA | 2240 | 3.6 | | 1 1 | |
| 2 | 0255 | 1.6 | | 5 | | 17 | 0425 | 1.5 | | 5 | |
| | 0930 | 4.6 | | 1 4 | | | 1035 | 4.6 | | 1 4 | |
| SA | 1615 | 1.5 | | 5 | | SU | 1720 | 1.5 | | 5 | |
| SA | 2200 | 3.5 | | 1 1 | | DI | 2320 | 3.5 | | 1 1 | |
| 3 | 0335 | 1.7 | | 5 | | 18 | 0515 | 1.7 | | 5 | |
| | 1010 | 4.5 | | 1 4 | | | 1110 | 4.2 | | 1 3 | |
| SU | 1655 | 1.6 | | 5 | | MO | 1805 | 1.7 | | 5 | |
| DI | 2245 | 3.5 | | 1 1 | | LU | | | | | |
| 4 | 0420 | 1.9 | | 6 | | 19 | 0000 | 3.4 | | 1 0 | |
| | 1045 | 4.2 | | 1 3 | | | 0605 | 1.8 | | 5 | |
| MO | 1750 | 1.7 | | 5 | | TU | 1145 | 3.9 | | 1 2 | |
| LU | 2335 | 3.4 | | 1 0 | | MA | 1845 | 1.8 | | 5 | |
| 5 | 0520 | 2.0 | | 6 | | 20 | 0045 | 3.4 | | 1 0 | |
| | 1130 | 4.0 | | 1 2 | | | 0700 | 2.0 | | 6 | |
| TU | 1850 | 1.7 | | 5 | | WE | 1230 | 3.5 | | 1 1 | |
| | | | | | | ME | 1930 | 1.9 | | 6 | |
| 6 | 0035 | 3.5 | | 1 1 | | 21 | 0140 | 3.4 | | 1 0 | |
| | 0635 | 2.1 | | 6 | | | 0805 | 2.1 | | 6 | |
| WE | 1225 | 3.7 | | 1 1 | | TH | 1340 | 3.3 | | 1 0 | |
| ME | 1950 | 1.7 | | 5 | | JE | 2015 | 1.9 | | 6 | |
| 7 | 0140 | 3.6 | | 1 1 | | 22 | 0240 | 3.5 | | 1 1 | |
| | 0755 | 2.1 | | 6 | | | 0915 | 2.0 | | 6 | |
| TH | 1355 | 3.5 | | 1 1 | | FR | 1505 | 3.1 | | 9 | |
| JE | 2045 | 1.6 | | 5 | | VE | 2100 | 2.0 | | 6 | |
| 8 | 0250 | 3.8 | | 1 2 | | 23 | 0340 | 3.6 | | 1 1 | |
| | 0920 | 2.0 | | 6 | | | 1030 | 1.9 | | 6 | |
| FR | 1540 | 3.5 | | 1 1 | | SA | 1620 | 3.1 | | 9 | |
| VE | 2140 | 1.6 | | 5 | | SA | 2150 | 2.0 | | 6 | |
| 9 | 0355 | 4.1 | | 1 2 | | 24 | 0430 | 3.8 | | 1 2 | |
| | 1040 | 1.7 | | 5 | | | 1135 | 1.7 | | 5 | |
| SA | 1650 | 3.6 | | 1 1 | | SU | 1710 | 3.2 | | 1 0 | |
| SA | 2235 | 1.5 | | 5 | | DI | 2240 | 2.0 | | 6 | |
| 10 | 0450 | 4.4 | | 1 3 | | 25 | 0520 | 4.0 | | 1 2 | |
| | 1145 | 1.4 | | 4 | | | 1225 | 1.6 | | 5 | |
| SU | 1745 | 3.7 | | 1 1 | | MO | 1755 | 3.3 | | 1 0 | |
| DI | 2330 | 1.4 | | 4 | | LU | 2330 | 1.9 | | 6 | |
| 11 | 0545 | 4.7 | | 1 4 | | 26 | 0605 | 4.2 | | 1 3 | |
| | 1240 | 1.1 | | 3 | | | 1305 | 1.4 | | 4 | |
| MO | 1835 | 3.8 | | 1 2 | | TU | 1840 | 3.4 | | 1 0 | |
| LU | | | | | | MA | | | | | |
| 12 | 0025 | 1.3 | | 4 | | 27 | 0015 | 1.8 | | 5 | |
| | 0640 | 4.9 | | 1 5 | | | 0650 | 4.4 | | 1 3 | |
| TU | 1335 | .9 | | 3 | | WE | 1340 | 1.4 | | 4 | |
| MA | 1930 | 3.8 | | 1 2 | | ME | 1920 | 3.5 | | 1 1 | |
| 13 | 0115 | 1.2 | | 4 | | 28 | 0100 | 1.7 | | 5 | |
| | 0730 | 5.1 | | 1 6 | | | 0730 | 4.6 | | 1 4 | |
| WE | 1420 | .8 | | 2 | | TH | 1415 | 1.3 | | 4 | |
| ME | 2020 | 3.8 | | 1 2 | | JE | 2000 | 3.6 | | 1 1 | |
| 14 | 0205 | 1.2 | | 4 | | 29 | 0140 | 1.6 | | 5 | |
| | 0825 | 5.2 | | 1 6 | | | 0815 | 4.8 | | 1 5 | |
| TH | 1505 | .9 | | 3 | | FR | 1450 | 1.3 | | 4 | |
| JE | 2110 | 3.8 | | 1 2 | | VE | 2040 | 3.7 | | 1 1 | |
| 15 | 0255 | 1.2 | | 4 | | 30 | 0220 | 1.5 | | 5 | |
| | 0910 | 5.1 | | 1 6 | | | 0850 | 4.8 | | 1 5 | |
| FR | 1550 | 1.0 | | 3 | | SA | 1525 | 1.2 | | 4 | |
| VE | 2155 | 3.7 | | 1 1 | | SA | 2120 | 3.8 | | 1 2 | |
| | | | | | | 31 | 0305 | 1.5 | | 5 | |
| | | | | | | | 0930 | 4.8 | | 1 5 | |
| | | | | | | SU | 1600 | 1.3 | | 4 | |
| | | | | | | DI | 2200 | 3.9 | | 1 2 | |

# GRAND MANAN CHANNEL (AST 2 1/4)

## CURRENT TABLES

1989

### JANUARY-JANVIER

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate kn | Jour | Heure | Heure | Vit n |
| 1 | | 0220 | +1.7 | 16 | | 0255 | +2.2 |
| | 0530 | 0905 | 1.7 | | 0610 | 0940 | 2.4 |
| SU | 1215 | 1455 | +1.3 | MO | 1250 | 1540 | +1.8 |
| DI | 1750 | 2115 | 1.4 | LU | 1855 | 2205 | 1.8 |
| 2 | 0010 | 0310 | +1.6 | 17 | 0100 | 0400 | +1.9 |
| | 0620 | 0955 | 1.7 | | 0715 | 1045 | 2.2 |
| MO | 1315 | 1555 | +1.2 | TU | 1400 | 1655 | +1.7 |
| LU | 1855 | 2215 | 1.3 | MA | 2015 | 2320 | 1.6 |
| 3 | 0110 | 0410 | +1.5 | 18 | 0215 | 0510 | +1.6 |
| | 0715 | 1055 | 1.7 | | 0825 | 1155 | 2.1 |
| TU | 1415 | 1700 | +1.3 | WE | 1510 | 1815 | +1.7 |
| MA | 2010 | 2325 | 1.3 | ME | 2135 | | |
| 4 | 0210 | 0510 | +1.5 | 19 | | 0035 | 1.6 |
| | 0820 | 1200 | 1.9 | | 0330 | 0630 | +1.6 |
| WE | 1515 | 1805 | +1.5 | TH | 0935 | 1305 | 2.2 |
| ME | 2120 | | | JE | 1615 | 1920 | +1.9 |
| | | | | | 2240 | | |
| 5 | | 0025 | 1.4 | 20 | | 0140 | 1.8 |
| | 0320 | 0615 | +1.6 | | 0440 | 0735 | +1.7 |
| TH | 0920 | 1255 | 2.1 | FR | 1035 | 1400 | 2.4 |
| JE | 1610 | 1905 | +1.8 | VE | 1715 | 2020 | 2.1 |
| | 2220 | | | | 2335 | | |
| 6 | | 0125 | 1.7 | 21 | | 0235 | 2.0 |
| | 0420 | 0715 | +1.9 | | 0535 | 0830 | +1.9 |
| FR | 1015 | 1350 | 2.4 | SA | 1130 | 1450 | 2.6 |
| VE | 1700 | 2000 | +2.2 | SA | 1800 | 2105 | +2.4 |
| | 2315 | | | | | | |
| 7 | | 0220 | 2.1 | 22 | 0020 | 0325 | 2.3 |
| | 0515 | 0810 | +2.2 | | 0620 | 0915 | +2.1 |
| SA | 1110 | 1440 | 2.7 | SU | 1215 | 1535 | 2.7 |
| SA | 1750 | 2050 | +2.6 | DI | 1840 | 2145 | +2.5 |
| 8 | 0000 | 0310 | 2.4 | 23 | 0100 | 0405 | 2.4 |
| | 0605 | 0900 | +2.4 | | 0705 | 0955 | +2.2 |
| SU | 1200 | 1525 | 3.0 | MO | 1250 | 1615 | 2.7 |
| DI | 1835 | 2135 | +2.9 | LU | 1915 | 2215 | +2.6 |
| 9 | 0045 | 0355 | 2.7 | 24 | 0135 | 0440 | 2.5 |
| | 0655 | 0945 | +2.7 | | 0740 | 1030 | +2.3 |
| MO | 1245 | 1610 | 3.2 | TU | 1325 | 1650 | 2.7 |
| LU | 1915 | 2215 | +3.2 | MA | 1950 | 2250 | +2.7 |
| 10 | 0130 | 0440 | 3.0 | 25 | 0205 | 0515 | 2.6 |
| | 0740 | 1035 | +2.9 | | 0815 | 1100 | +2.3 |
| TU | 1330 | 1655 | 3.3 | WE | 1400 | 1720 | 2.6 |
| MA | 2000 | 2300 | +3.3 | ME | 2020 | 2315 | +2.7 |
| 11 | 0210 | 0525 | 3.1 | 26 | 0230 | 0545 | 2.5 |
| | 0825 | 1115 | +2.9 | | 0845 | 1130 | +2.2 |
| WE | 1420 | 1740 | 3.3 | TH | 1430 | 1750 | 2.5 |
| ME | 2040 | 2345 | +3.3 | JE | 2050 | 2345 | +2.6 |
| 12 | 0255 | 0610 | 3.1 | 27 | 0255 | 0615 | 2.5 |
| | 0915 | 1205 | +2.9 | | 0920 | 1205 | +2.2 |
| TH | 1505 | 1825 | 3.1 | FR | 1500 | 1820 | 2.3 |
| JE | 2125 | | | VE | 2120 | | |
| 13 | | 0025 | +3.2 | 28 | | 0015 | +2.5 |
| | 0340 | 0655 | 3.0 | | 0325 | 0645 | 2.4 |
| FR | 1000 | 1250 | +2.7 | SA | 0955 | 1240 | +2.0 |
| VE | 1550 | 1910 | 2.8 | SA | 1535 | 1850 | 2.0 |
| | 2210 | | | | 2150 | | |
| 14 | | 0110 | +2.9 | 29 | | 0050 | +2.3 |
| | 0425 | 0745 | 2.9 | | 0355 | 0720 | 2.2 |
| SA | 1055 | 1340 | +2.4 | SU | 1035 | 1315 | +1.8 |
| SA | 1645 | 2000 | 2.5 | DI | 1610 | 1925 | 1.8 |
| | 2300 | | | | 2230 | | |
| 15 | | 0200 | +2.6 | 30 | | 0125 | +2.0 |
| | 0515 | 0840 | 2.6 | | 0430 | 0800 | 2.0 |
| SU | 1150 | 1435 | +2.1 | MO | 1120 | 1400 | +1.6 |
| DI | 1745 | 2100 | 2.1 | LU | 1655 | 2010 | 1.5 |
| | 2355 | | | | 2310 | | |
| | | | | 31 | | 0210 | +1.7 |
| | | | | | 0515 | 0850 | 1.8 |
| | | | | TU | 1215 | 1455 | +1.4 |
| | | | | MA | 1800 | 2110 | 1.2 |

### FEBRUARY-FEVRIER

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate kn | Jour | Heure | Heure | Vit n |
| 1 | 0010 | 0310 | +1.4 | 16 | 0150 | 0445 | +1.1 |
| | 0610 | 0955 | 1.6 | | 0750 | 1135 | 1.7 |
| WE | 1325 | 1610 | +1.2 | TH | 1455 | 1805 | +1.3 |
| ME | 1925 | 2240 | 1.1 | JE | 2130 | | |
| 2 | 0130 | 0425 | +1.3 | 17 | | 0030 | 1.3 |
| | 0730 | 1120 | 1.7 | | 0325 | 0625 | +1.1 |
| TH | 1440 | 1735 | +1.3 | FR | 0920 | 1255 | 1.9 |
| JE | 2055 | | | VE | 1605 | 1920 | +1.7 |
| | | | | | 2240 | | |
| 3 | | 0005 | 1.2 | 18 | | 0140 | 1.6 |
| | 0255 | 0550 | +1.3 | | 0440 | 0735 | +1.4 |
| FR | 0850 | 1235 | 1.9 | SA | 1030 | 1350 | 2.1 |
| VE | 1550 | 1850 | +1.7 | SA | 1700 | 2010 | +2.0 |
| | 2210 | | | | 2330 | | |
| 4 | | 0120 | 1.6 | 19 | | 0230 | 2.0 |
| | 0410 | 0710 | +1.6 | | 0530 | 0825 | +1.7 |
| SA | 1005 | 1335 | 2.3 | SU | 1120 | 1440 | 2.4 |
| SA | 1645 | 1950 | +2.2 | DI | 1745 | 2050 | +2.4 |
| | 2305 | | | | | | |
| 5 | | 0215 | 2.1 | 20 | 0005 | 0310 | 2.4 |
| | 0510 | 0805 | +2.1 | | 0610 | 0905 | +2.0 |
| SU | 1105 | 1430 | 2.7 | MO | 1200 | 1515 | 2.6 |
| DI | 1735 | 2040 | +2.7 | LU | 1820 | 2125 | +2.6 |
| | 2350 | | | | | | |
| 6 | | 0300 | 2.7 | 21 | 0035 | 0345 | 2.6 |
| | 0600 | 0855 | +2.5 | | 0645 | 0935 | +2.3 |
| MO | 1155 | 1515 | 3.1 | TU | 1235 | 1550 | 2.8 |
| LU | 1820 | 2120 | +3.2 | MA | 1850 | 2150 | +2.8 |
| 7 | 0035 | 0345 | 3.1 | 22 | 0105 | 0415 | 2.8 |
| | 0645 | 0940 | +2.9 | | 0715 | 1005 | 2.4 |
| TU | 1240 | 1555 | 3.4 | WE | 1305 | 1620 | 2.8 |
| MA | 1900 | 2200 | +3.5 | ME | 1920 | 2215 | +2.9 |
| 8 | 0115 | 0425 | 3.4 | 23 | 0130 | 0440 | 2.9 |
| | 0730 | 1020 | +3.2 | | 0745 | 1030 | +2.5 |
| WE | 1320 | 1635 | 3.5 | TH | 1330 | 1645 | 2.8 |
| ME | 1940 | 2240 | +3.7 | JE | 1945 | 2245 | +2.9 |
| 9 | 0150 | 0505 | 3.6 | 24 | 0150 | 0510 | 2.9 |
| | 0810 | 1100 | +3.3 | | 0815 | 1100 | +2.6 |
| TH | 1400 | 1715 | 3.5 | FR | 1400 | 1715 | 2.6 |
| JE | 2020 | 2320 | +3.6 | VE | 2010 | 2310 | +2.9 |
| 10 | 0230 | 0545 | 3.6 | 25 | 0215 | 0535 | 2.8 |
| | 0850 | 1140 | +3.2 | | 0845 | 1130 | +2.5 |
| FR | 1445 | 1800 | 3.3 | SA | 1425 | 1740 | 2.5 |
| VE | 2100 | | | SA | 2040 | 2340 | +2.8 |
| 11 | | 0000 | +3.4 | 26 | 0240 | 0600 | 2.7 |
| | 0310 | 0625 | 3.4 | | 0915 | 1200 | +2.4 |
| SA | 0935 | 1225 | +3.0 | SU | 1500 | 1810 | 2.2 |
| SA | 1525 | 1840 | 2.9 | DI | 2110 | | |
| | 2140 | | | | | | |
| 12 | | 0040 | +3.1 | 27 | | 0010 | +2.5 |
| | 0350 | 0710 | 3.1 | | 0310 | 0630 | 2.5 |
| SU | 1020 | 1310 | +2.6 | MO | 0950 | 1240 | +2.1 |
| DI | 1615 | 1925 | 2.4 | LU | 1535 | 1840 | 1.9 |
| | 2225 | | | | 2145 | | |
| 13 | | 0120 | +2.6 | 28 | | 0045 | +2.2 |
| | 0430 | 0755 | 2.6 | | 0345 | 0710 | 2.2 |
| MO | 1110 | 1355 | +2.1 | TU | 1035 | 1320 | +1.8 |
| LU | 1710 | 2020 | 1.9 | MA | 1620 | 1925 | 1.5 |
| | 2315 | | | | 2230 | | |
| 14 | | 0210 | +2.0 | | | | |
| | 0520 | 0855 | 2.2 | | | | |
| TU | 1215 | 1500 | +1.6 | | | | |
| MA | 1820 | 2130 | 1.4 | | | | |
| 15 | 0020 | 0313 | +1.5 | | | | |
| | 0625 | 1010 | 1.8 | | | | |
| WE | 1330 | 1620 | +1.3 | | | | |
| ME | 1955 | 2300 | 1.2 | | | | |

### MARCH-MARS

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate kn | Jour | Heure | Heure | Vit n |
| 1 | | 0130 | +1.8 | 16 | | 0240 | +1.1 |
| | 0430 | 0800 | 1.9 | | 0545 | 0945 | 1.5 |
| WE | 1130 | 1420 | +1.5 | TH | 1305 | 1600 | +1.1 |
| ME | 1720 | 2035 | 1.2 | JE | 1950 | 2250 | 1.0 |
| | 2335 | | | | | | |
| 2 | | 0230 | +1.4 | 17 | 0140 | 0425 | +0.8 |
| | 0530 | 0915 | 1.6 | | 0730 | 1120 | 1.4 |
| TH | 1245 | 1535 | +1.2 | FR | 1435 | 1800 | +1.2 |
| JE | 1900 | 2215 | 1.0 | VE | 2125 | | |
| 3 | 0105 | 0400 | +1.1 | 18 | | 0020 | 1.2 |
| | 0700 | 1055 | 1.6 | | 0325 | 0625 | +0.9 |
| FR | 1415 | 1715 | +1.3 | SA | 0910 | 1235 | 1.7 |
| VE | 2045 | 2355 | 1.2 | SA | 1545 | 1910 | +1.6 |
| | | | | | 2225 | | |
| 4 | 0250 | 0540 | +1.2 | 19 | | 0125 | 1.7 |
| | 0840 | 1220 | 1.9 | | 0430 | 0725 | +1.3 |
| SA | 1530 | 1840 | +1.8 | SU | 1015 | 1330 | 2.0 |
| SA | 2200 | | | DI | 1635 | 1950 | +2.0 |
| | | | | | 2305 | | |
| 5 | | 0105 | 1.8 | 20 | | 0205 | 2.1 |
| | 0405 | 0700 | +1.7 | | 0515 | 0805 | +1.7 |
| SU | 0955 | 1325 | 2.4 | MO | 1100 | 1415 | 2.3 |
| DI | 1630 | 1935 | +2.4 | LU | 1715 | 2025 | +2.3 |
| | 2250 | | | | 2335 | | |
| 6 | | 0200 | 2.4 | 21 | | 0240 | 2.5 |
| | 0500 | 0755 | +2.2 | | 0545 | 0840 | +2.0 |
| MO | 1055 | 1415 | 2.9 | TU | 1135 | 1450 | 2.5 |
| LU | 1715 | 2020 | +3.0 | MA | 1745 | 2050 | +2.6 |
| | 2335 | | | | | | |
| 7 | | 0245 | 3.0 | 22 | 0000 | 0310 | 2.7 |
| | 0545 | 0840 | +2.8 | | 0615 | 0905 | +2.3 |
| TU | 1140 | 1455 | 3.3 | WE | 1205 | 1520 | 2.7 |
| MA | 1755 | 2100 | +3.4 | ME | 1815 | 2115 | +2.8 |
| 8 | 0010 | 0325 | 3.5 | 23 | 0025 | 0340 | 2.9 |
| | 0630 | 0920 | +3.2 | | 0645 | 0935 | +2.5 |
| WE | 1220 | 1535 | 3.6 | TH | 1235 | 1545 | 2.8 |
| ME | 1835 | 2140 | +3.7 | JE | 1840 | 2140 | +2.9 |
| 9 | 0050 | 0400 | 3.8 | 24 | 0050 | 0405 | 3.0 |
| | 0705 | 1000 | +3.4 | | 0710 | 1000 | +2.7 |
| TH | 1300 | 1615 | 3.7 | FR | 1300 | 1610 | 2.8 |
| JE | 1915 | 2215 | +3.8 | VE | 1910 | 2205 | +3.0 |
| 10 | 0125 | 0440 | 3.9 | 25 | 0110 | 0430 | 3.1 |
| | 0745 | 1040 | +3.5 | | 0740 | 1030 | +2.7 |
| FR | 1340 | 1655 | 3.6 | SA | 1330 | 1635 | 2.7 |
| VE | 1955 | 2255 | +3.7 | SA | 1935 | 2235 | +3.0 |
| 11 | 0200 | 0515 | 3.8 | 26 | 0135 | 0455 | 3.1 |
| | 0825 | 1115 | +3.3 | | 0810 | 1100 | +2.7 |
| SA | 1420 | 1730 | 3.3 | SU | 1355 | 1705 | 2.5 |
| SA | 2030 | 2330 | +3.4 | DI | 2005 | 2305 | +2.8 |
| 12 | 0235 | 0555 | 3.5 | 27 | 0205 | 0525 | 2.9 |
| | 0905 | 1155 | +3.0 | | 0840 | 1130 | +2.5 |
| SU | 1500 | 1810 | 2.8 | MO | 1430 | 1735 | 2.3 |
| DI | 2110 | | | LU | 2040 | 2340 | +2.6 |
| 13 | | 0010 | +3.0 | 28 | 0235 | 0600 | 2.7 |
| | 0315 | 0635 | 3.0 | | 0920 | 1210 | +2.3 |
| MO | 0950 | 1240 | +2.5 | TU | 1510 | 1815 | 2.0 |
| LU | 1545 | 1855 | 2.2 | MA | 2120 | | |
| | 2155 | | | | | | |
| 14 | | 0050 | +2.4 | 29 | | 0020 | +2.2 |
| | 0355 | 0725 | 2.5 | | 0315 | 0640 | 2.3 |
| TU | 1040 | 1325 | +2.0 | WE | 1005 | 1255 | +2.0 |
| MA | 1640 | 1950 | 1.6 | ME | 1600 | 1905 | 1.6 |
| | 2245 | | | | 2210 | | |
| 15 | | 0135 | +1.7 | 30 | | 0105 | +1.8 |
| | 0440 | 0820 | 1.9 | | 0400 | 0735 | 1.9 |
| WE | 1140 | 1425 | +1.4 | TH | 1105 | 1355 | +1.6 |
| ME | 1755 | 2105 | 1.1 | JE | 1710 | 2020 | 1.2 |
| | 2355 | | | | 2320 | | |
| | | | | 31 | | 0215 | +1.3 |
| | | | | | 0510 | 0900 | 1.6 |
| | | | | FR | 1225 | 1520 | +1.4 |
| | | | | VE | 1850 | 2210 | 1.1 |

+ FLOOD/FLOT DIRECTION 032 TRUE/VRAIE  EBB/JUSANT DIRECTION 212 TRUE/VRAIE

## TABLE DES COURANTS

# GRAND MANAN CHANNEL (HNA 2+4)

1989

### APRIL-AVRIL

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| 1 | 0100 | 0350 | +1.1 | 16 | 0300 | 0550 | +0.9 |
| | 0650 | 1040 | −1.6 | | 0845 | 1205 | −1.5 |
| SA | 1350 | 1655 | +1.5 | SU | 1505 | 1825 | +1.5 |
| SA | 2025 | 2340 | −1.5 | DI | 2140 | | |
| 2 | 0240 | 0530 | +1.3 | 17 | | 0045 | −1.7 |
| | 0825 | 1200 | −2.0 | | 0355 | 0650 | +1.3 |
| SU | 1505 | 1815 | +2.0 | MO | 0945 | 1255 | −1.8 |
| DI | 2130 | | | LU | 1555 | 1910 | +1.9 |
| | | | | | 2220 | | |
| 3 | | 0045 | −2.1 | 18 | | 0130 | −2.1 |
| | 0345 | 0640 | +1.9 | | 0435 | 0730 | +1.6 |
| MO | 0940 | 1300 | −2.5 | TU | 1025 | 1335 | −2.1 |
| LU | 1600 | 1910 | +2.6 | MA | 1635 | 1940 | +2.1 |
| | 2220 | | | | 2250 | | |
| 4 | | 0135 | −2.7 | 19 | | 0205 | −2.4 |
| | 0440 | 0735 | +2.4 | | 0510 | 0800 | +2.0 |
| TU | 1030 | 1345 | −2.9 | WE | 1100 | 1410 | −2.3 |
| MA | 1645 | 1955 | +3.1 | ME | 1705 | 2010 | +2.4 |
| | 2305 | | | | 2315 | | |
| 5 | | 0215 | −3.3 | 20 | | 0230 | −2.7 |
| | 0520 | 0815 | +2.9 | | 0540 | 0830 | +2.2 |
| WE | 1120 | 1430 | −3.3 | TH | 1130 | 1440 | −2.4 |
| ME | 1730 | 2035 | +3.5 | JE | 1735 | 2035 | +2.6 |
| | 2345 | | | | 2340 | | |
| 6 | | 0255 | −3.7 | 21 | | 0300 | −2.9 |
| | 0605 | 0855 | +3.3 | | 0605 | 0900 | +2.5 |
| TH | 1200 | 1510 | −3.5 | FR | 1200 | 1510 | −2.5 |
| JE | 1810 | 2110 | +3.7 | VE | 1805 | 2105 | +2.8 |
| 7 | 0020 | 0335 | −3.9 | 22 | 0010 | 0330 | −3.0 |
| | 0640 | 0935 | +3.4 | | 0635 | 0925 | +2.6 |
| FR | 1240 | 1550 | −3.5 | SA | 1230 | 1540 | −2.6 |
| VE | 1850 | 2150 | +3.7 | SA | 1835 | 2135 | +2.9 |
| 8 | 0055 | 0415 | −3.9 | 23 | 0035 | 0355 | −3.1 |
| | 0720 | 1015 | +3.4 | | 0710 | 1000 | +2.7 |
| SA | 1320 | 1630 | −3.3 | SU | 1300 | 1610 | −2.6 |
| SA | 1925 | 2225 | +3.5 | DI | 1905 | 2205 | +2.9 |
| 9 | 0130 | 0450 | −3.7 | 24 | 0105 | 0425 | −3.1 |
| | 0800 | 1055 | +3.2 | | 0740 | 1030 | +2.7 |
| SU | 1400 | 1710 | −3.0 | MO | 1335 | 1640 | −2.4 |
| DI | 2005 | 2305 | +3.1 | LU | 1940 | 2240 | +2.7 |
| 10 | 0210 | 0530 | −3.3 | 25 | 0140 | 0500 | −2.9 |
| | 0840 | 1135 | +2.9 | | 0820 | 1110 | +2.6 |
| MO | 1440 | 1750 | −2.5 | TU | 1415 | 1720 | −2.2 |
| LU | 2045 | 2340 | +2.7 | MA | 2020 | 2320 | +2.5 |
| 11 | 0245 | 0610 | −2.8 | 26 | 0215 | 0540 | −2.7 |
| | 0925 | 1215 | +2.4 | | 0900 | 1155 | +2.4 |
| TU | 1525 | 1835 | −2.0 | WE | 1500 | 1805 | −2.0 |
| MA | 2135 | | | ME | 2110 | | |
| 12 | | 0025 | +2.1 | 27 | | 0005 | +2.2 |
| | 0325 | 0700 | −2.3 | | 0300 | 0630 | −2.4 |
| WE | 1015 | 1305 | +1.9 | TH | 0950 | 1245 | +2.1 |
| ME | 1625 | 1935 | −1.5 | JE | 1555 | 1905 | −1.7 |
| | 2230 | | | | 2205 | | |
| 13 | | 0115 | +1.5 | 28 | | 0100 | +1.8 |
| | 0415 | 0800 | −1.7 | | 0355 | 0730 | −2.0 |
| TH | 1120 | 1405 | +1.4 | FR | 1050 | 1345 | +1.8 |
| JE | 1740 | 2055 | −1.1 | VE | 1705 | 2020 | −1.5 |
| | 2345 | | | | 2325 | | |
| 14 | | 0220 | +0.9 | 29 | | 0210 | +1.5 |
| | 0525 | 0925 | −1.4 | | 0505 | 0850 | −1.8 |
| FR | 1235 | 1535 | +1.1 | SA | 1205 | 1500 | +1.7 |
| VE | 1925 | 2230 | −1.0 | SA | 1830 | 2150 | −1.6 |
| 15 | 0130 | 0410 | +0.7 | 30 | 0050 | 0335 | +1.4 |
| | 0710 | 1055 | −1.3 | | 0635 | 1015 | −1.9 |
| SA | 1400 | 1720 | +1.2 | SU | 1320 | 1625 | +1.9 |
| SA | 2050 | 2350 | −1.3 | DI | 1950 | 2305 | −1.9 |

### MAY-MAI

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| 1 | 0210 | 0500 | +1.6 | 16 | 0305 | 0550 | +1.2 |
| | 0805 | 1125 | −2.1 | | 0850 | 1205 | −1.6 |
| MO | 1430 | 1735 | +2.2 | TU | 1500 | 1805 | +1.6 |
| LU | 2055 | | | MA | 2120 | | |
| 2 | | 0010 | −2.4 | 17 | | 0035 | −1.9 |
| | 0315 | 0610 | +2.0 | | 0350 | 0640 | +1.4 |
| TU | 0910 | 1225 | −2.5 | WE | 0940 | 1250 | −1.7 |
| MA | 1525 | 1835 | +2.6 | ME | 1540 | 1845 | +1.8 |
| | 2145 | | | | 2155 | | |
| 3 | | 0100 | −2.9 | 18 | | 0115 | −2.2 |
| | 0410 | 0705 | +2.5 | | 0425 | 0715 | +1.7 |
| WE | 1005 | 1315 | −2.8 | TH | 1020 | 1325 | −1.9 |
| ME | 1615 | 1920 | +3.0 | JE | 1620 | 1920 | +2.1 |
| | 2230 | | | | 2230 | | |
| 4 | | 0145 | −3.3 | 19 | | 0150 | −2.4 |
| | 0455 | 0750 | +2.9 | | 0500 | 0750 | +2.0 |
| TH | 1055 | 1405 | −3.1 | FR | 1055 | 1405 | −2.1 |
| JE | 1700 | 2005 | +3.2 | VE | 1655 | 1955 | +2.3 |
| | 2310 | | | | 2300 | | |
| 5 | | 0230 | −3.5 | 20 | | 0225 | −2.7 |
| | 0540 | 0835 | +3.1 | | 0535 | 0825 | +2.3 |
| FR | 1140 | 1445 | −3.2 | SA | 1130 | 1440 | −2.2 |
| VE | 1745 | 2045 | +3.3 | SA | 1730 | 2030 | +2.5 |
| | 2350 | | | | 2330 | | |
| 6 | | 0310 | −3.7 | 21 | | 0255 | −2.8 |
| | 0620 | 0915 | +3.2 | | 0605 | 0900 | +2.5 |
| SA | 1220 | 1530 | −3.1 | SU | 1205 | 1515 | −2.3 |
| SA | 1825 | 2125 | +3.3 | DI | 1810 | 2105 | +2.6 |
| 7 | 0030 | 0350 | −3.6 | 22 | 0005 | 0330 | −2.9 |
| | 0700 | 0955 | +3.2 | | 0645 | 0935 | +2.6 |
| SU | 1305 | 1610 | −3.0 | MO | 1245 | 1550 | −2.4 |
| DI | 1910 | 2205 | +3.1 | LU | 1845 | 2145 | +2.6 |
| 8 | 0110 | 0430 | −3.4 | 23 | 0040 | 0405 | −3.0 |
| | 0740 | 1035 | +3.0 | | 0720 | 1015 | +2.7 |
| MO | 1345 | 1655 | −2.7 | TU | 1325 | 1630 | −2.4 |
| LU | 1950 | 2245 | +2.7 | MA | 1930 | 2225 | +2.6 |
| 9 | 0145 | 0515 | −3.0 | 24 | 0120 | 0450 | −2.9 |
| | 0825 | 1115 | +2.7 | | 0805 | 1100 | +2.7 |
| TU | 1430 | 1740 | −2.3 | WE | 1405 | 1715 | −2.3 |
| MA | 2035 | 2325 | +2.3 | ME | 2015 | 2310 | +2.4 |
| 10 | 0225 | 0555 | −2.6 | 25 | 0205 | 0535 | −2.8 |
| | 0910 | 1200 | +2.3 | | 0850 | 1145 | +2.6 |
| WE | 1520 | 1830 | −1.9 | TH | 1455 | 1805 | −2.2 |
| ME | 2125 | | | JE | 2110 | | |
| 11 | | 0010 | +1.9 | 26 | | 0000 | +2.3 |
| | 0310 | 0645 | −2.2 | | 0255 | 0625 | −2.5 |
| TH | 1000 | 1250 | +1.9 | FR | 0940 | 1235 | +2.4 |
| JE | 1615 | 1925 | −1.5 | VE | 1550 | 1905 | −2.1 |
| | 2220 | | | | 2205 | | |
| 12 | | 0100 | +1.4 | 27 | | 0055 | +2.0 |
| | 0400 | 0745 | −1.8 | | 0350 | 0725 | −2.3 |
| FR | 1055 | 1345 | +1.5 | SA | 1035 | 1335 | +2.3 |
| VE | 1720 | 2035 | −1.3 | SA | 1650 | 2010 | −2.0 |
| | 2330 | | | | 2315 | | |
| 13 | | 0205 | +1.0 | 28 | | 0200 | +1.8 |
| | 0505 | 0855 | −1.5 | | 0500 | 0830 | −2.2 |
| SA | 1200 | 1455 | +1.3 | SU | 1135 | 1435 | +2.2 |
| SA | 1835 | 2150 | −1.2 | DI | 1800 | 2120 | −2.1 |
| 14 | 0050 | 0325 | +0.9 | 29 | 0025 | 0310 | +1.8 |
| | 0630 | 1005 | −1.4 | | 0615 | 0940 | −2.1 |
| SU | 1305 | 1610 | +1.3 | MO | 1240 | 1545 | +2.2 |
| DI | 1945 | 2300 | −1.4 | LU | 1905 | 2225 | −2.3 |
| 15 | 0205 | 0445 | +0.9 | 30 | 0135 | 0425 | +1.9 |
| | 0750 | 1110 | −1.4 | | 0730 | 1050 | −2.2 |
| MO | 1405 | 1720 | +1.4 | TU | 1345 | 1650 | +2.3 |
| LU | 2040 | 2355 | −1.6 | MA | 2010 | 2330 | −2.5 |
| | | | | 31 | 0235 | 0530 | +2.1 |
| | | | | | 0835 | 1150 | −2.3 |
| | | | | WE | 1445 | 1755 | +2.5 |
| | | | | ME | 2105 | | |

### JUNE-JUIN

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| 1 | | 0025 | −2.8 | 16 | | 0025 | −1.9 |
| | 0335 | 0630 | +2.3 | | 0335 | 0625 | +1.5 |
| TH | 0940 | 1245 | −2.5 | FR | 0935 | 1245 | −1.5 |
| JE | 1545 | 1845 | +2.6 | VE | 1535 | 1835 | +1.7 |
| | 2155 | | | | 2140 | | |
| 2 | | 0115 | −3.0 | 17 | | 0110 | −2.1 |
| | 0425 | 0725 | +2.6 | | 0420 | 0715 | +1.7 |
| FR | 1030 | 1340 | −2.6 | SA | 1025 | 1330 | −1.7 |
| VE | 1635 | 1940 | +2.7 | SA | 1620 | 1920 | +1.9 |
| | 2245 | | | | 2220 | | |
| 3 | | 0205 | −3.2 | 18 | | 0150 | −2.4 |
| | 0515 | 0815 | +2.8 | | 0505 | 0800 | +2.0 |
| SA | 1125 | 1430 | −2.7 | SU | 1110 | 1415 | −1.9 |
| SA | 1725 | 2025 | +2.8 | DI | 1710 | 2005 | +2.1 |
| | 2330 | | | | 2305 | | |
| 4 | | 0250 | −3.3 | 19 | | 0235 | −2.6 |
| | 0600 | 0900 | +2.9 | | 0545 | 0840 | +2.3 |
| SU | 1210 | 1515 | −2.7 | MO | 1150 | 1500 | −2.2 |
| DI | 1810 | 2110 | +2.8 | LU | 1755 | 2050 | +2.3 |
| | | | | | 2350 | | |
| 5 | 0010 | 0335 | −3.2 | 20 | | 0315 | −2.8 |
| | 0645 | 0940 | +2.9 | | 0625 | 0925 | +2.6 |
| MO | 1255 | 1600 | −2.6 | TU | 1235 | 1545 | −2.4 |
| LU | 1900 | 2150 | +2.6 | MA | 1840 | 2135 | +2.5 |
| 6 | 0055 | 0420 | −3.1 | 21 | 0030 | 0400 | −2.9 |
| | 0730 | 1025 | +2.8 | | 0710 | 1005 | +2.8 |
| TU | 1340 | 1650 | −2.5 | WE | 1320 | 1630 | −2.5 |
| MA | 1945 | 2235 | +2.4 | ME | 1925 | 2220 | +2.6 |
| 7 | 0135 | 0505 | −2.8 | 22 | 0115 | 0445 | −3.0 |
| | 0810 | 1105 | +2.6 | | 0750 | 1050 | +2.9 |
| WE | 1425 | 1735 | −2.3 | TH | 1400 | 1715 | −2.6 |
| ME | 2030 | 2320 | +2.2 | JE | 2015 | 2305 | +2.6 |
| 8 | 0220 | 0545 | −2.6 | 23 | 0205 | 0530 | −3.0 |
| | 0855 | 1150 | +2.3 | | 0835 | 1135 | +3.0 |
| TH | 1510 | 1820 | −2.1 | FR | 1450 | 1800 | −2.7 |
| JE | 2120 | | | VE | 2105 | 2355 | +2.6 |
| 9 | | 0000 | +1.9 | 24 | 0250 | 0615 | −2.9 |
| | 0300 | 0630 | −2.2 | | 0925 | 1220 | +2.9 |
| FR | 0940 | 1235 | +2.1 | SA | 1535 | 1850 | −2.7 |
| VE | 1555 | 1910 | −1.8 | SA | 2155 | | |
| | 2210 | | | | | | |
| 10 | | 0050 | +1.6 | 25 | | 0045 | +2.5 |
| | 0345 | 0720 | −1.9 | | 0345 | 0705 | −2.7 |
| SA | 1025 | 1320 | +1.9 | SU | 1010 | 1310 | +2.8 |
| SA | 1645 | 2000 | −1.7 | DI | 1625 | 1945 | −2.6 |
| | 2300 | | | | 2250 | | |
| 11 | | 0135 | +1.3 | 26 | | 0135 | +2.3 |
| | 0435 | 0810 | −1.7 | | 0440 | 0800 | −2.5 |
| SU | 1110 | 1405 | +1.6 | MO | 1105 | 1405 | +2.6 |
| DI | 1730 | 2055 | −1.5 | LU | 1720 | 2040 | −2.5 |
| | 2355 | | | | 2350 | | |
| 12 | | 0230 | +1.2 | 27 | | 0235 | +2.1 |
| | 0530 | 0905 | −1.4 | | 0540 | 0900 | −2.3 |
| MO | 1200 | 1500 | +1.5 | TU | 1200 | 1500 | +2.4 |
| LU | 1825 | 2150 | −1.5 | MA | 1820 | 2140 | −2.5 |
| 13 | 0055 | 0330 | +1.1 | 28 | 0050 | 0340 | +2.0 |
| | 0635 | 1005 | −1.3 | | 0650 | 1005 | −2.1 |
| TU | 1255 | 1555 | +1.4 | WE | 1305 | 1605 | +2.2 |
| MA | 1915 | 2245 | −1.6 | ME | 1920 | 2245 | −2.4 |
| 14 | 0155 | 0435 | +1.1 | 29 | 0200 | 0450 | +1.9 |
| | 0740 | 1100 | −1.3 | | 0800 | 1115 | −2.0 |
| WE | 1350 | 1650 | +1.4 | TH | 1410 | 1710 | +2.1 |
| ME | 2005 | 2335 | −1.7 | JE | 2025 | 2350 | −2.5 |
| 15 | 0250 | 0535 | +1.2 | 30 | 0305 | 0600 | +2.0 |
| | 0840 | 1155 | −1.4 | | 0915 | 1220 | −2.0 |
| TH | 1440 | 1740 | +1.5 | FR | 1515 | 1815 | +2.1 |
| JE | 2050 | | | VE | 2125 | | |

+ FLOOD/FLOT DIRECTION 032 TRUE/VRAIE  − EBB/JUSANT DIRECTION 212 TRUE/VRAIE

# GRAND MANAN CHANNEL (AST 2 1 4)

## CURRENT TABLES

1989

### JULY-JUILLET

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n. |
| 1 | | 0050 | −2.6 | 16 | | 0035 | −1.8 |
| | 0405 | 0705 | +2.2 | | 0350 | 0645 | +1.5 |
| SA | 1020 | 1325 | −2.1 | SU | 1005 | 1310 | −1.4 |
| SA | 1620 | 1920 | +2.2 | DI | 1600 | 1855 | +1.5 |
| | 2220 | | | | 2155 | | |
| 2 | | 0145 | −2.7 | 17 | | 0130 | −2.1 |
| | 0500 | 0800 | +2.4 | | 0445 | 0740 | +1.9 |
| SU | 1115 | 1420 | −2.3 | MO | 1100 | 1405 | −1.8 |
| DI | 1715 | 2015 | +2.2 | LU | 1700 | 1955 | +1.9 |
| | 2315 | | | | 2250 | | |
| 3 | | 0240 | −2.9 | 18 | | 0220 | −2.5 |
| | 0550 | 0850 | +2.6 | | 0530 | 0830 | +2.3 |
| MO | 1205 | 1510 | −2.4 | TU | 1145 | 1455 | −2.2 |
| LU | 1810 | 2105 | +2.3 | MA | 1750 | 2045 | +2.2 |
| | | | | | 2340 | | |
| 4 | 0005 | 0330 | −2.9 | 19 | | 0310 | −2.8 |
| | 0635 | 0935 | +2.7 | | 0615 | 0915 | +2.7 |
| TU | 1255 | 1600 | −2.5 | WE | 1230 | 1540 | −2.6 |
| MA | 1855 | 2150 | +2.4 | ME | 1835 | 2130 | +2.6 |
| 5 | 0050 | 0410 | −2.9 | 20 | 0025 | 0350 | −3.1 |
| | 0720 | 1015 | +2.7 | | 0655 | 0955 | +3.1 |
| WE | 1335 | 1640 | −2.5 | TH | 1310 | 1620 | −2.9 |
| ME | 1940 | 2230 | +2.3 | JE | 1920 | 2215 | +2.8 |
| 6 | 0130 | 0455 | −2.8 | 21 | 0110 | 0435 | −3.3 |
| | 0755 | 1055 | +2.7 | | 0735 | 1040 | +3.3 |
| TH | 1415 | 1720 | −2.5 | FR | 1350 | 1700 | −3.2 |
| JE | 2020 | 2310 | +2.2 | VE | 2005 | 2255 | +3.0 |
| 7 | 0210 | 0530 | −2.7 | 22 | 0155 | 0515 | −3.3 |
| | 0835 | 1130 | +2.6 | | 0820 | 1120 | +3.4 |
| FR | 1450 | 1800 | −2.4 | SA | 1430 | 1745 | −3.3 |
| VE | 2100 | 2345 | +2.1 | SA | 2050 | 2340 | +3.0 |
| 8 | 0245 | 0610 | −2.4 | 23 | 0240 | 0555 | −3.2 |
| | 0910 | 1205 | +2.4 | | 0900 | 1200 | +3.4 |
| SA | 1525 | 1840 | −2.3 | SU | 1510 | 1825 | −3.2 |
| SA | 2140 | | | DI | 2135 | | |
| 9 | | 0025 | +1.9 | 24 | | 0025 | +2.9 |
| | 0320 | 0645 | −2.2 | | 0325 | 0640 | −3.0 |
| SU | 0945 | 1240 | +2.2 | MO | 0945 | 1245 | +3.2 |
| DI | 1555 | 1915 | −2.1 | LU | 1555 | 1910 | −3.1 |
| | 2220 | | | | 2220 | | |
| 10 | | 0100 | +1.7 | 25 | | 0110 | +2.7 |
| | 0400 | 0720 | −1.9 | | 0415 | 0730 | −2.7 |
| MO | 1020 | 1315 | +2.0 | TU | 1030 | 1330 | +2.8 |
| LU | 1630 | 1955 | −1.9 | MA | 1640 | 2000 | −2.8 |
| | 2300 | | | | 2315 | | |
| 11 | | 0140 | +1.5 | 26 | | 0200 | +2.3 |
| | 0440 | 0800 | −1.6 | | 0505 | 0820 | −2.3 |
| TU | 1100 | 1355 | +1.8 | WE | 1120 | 1420 | +2.4 |
| MA | 1705 | 2035 | −1.7 | ME | 1730 | 2100 | −2.5 |
| | 2350 | | | | | | |
| 12 | | 0225 | +1.3 | 27 | 0015 | 0300 | +2.0 |
| | 0525 | 0845 | −1.3 | | 0610 | 0925 | −1.9 |
| WE | 1140 | 1440 | +1.6 | TH | 1220 | 1520 | +2.0 |
| ME | 1750 | 2125 | −1.6 | JE | 1830 | 2205 | −2.2 |
| 13 | 0045 | 0320 | +1.2 | 28 | 0120 | 0410 | +1.7 |
| | 0625 | 0945 | −1.1 | | 0730 | 1040 | −1.6 |
| TH | 1235 | 1535 | +1.4 | FR | 1335 | 1630 | +1.6 |
| JE | 1840 | 2225 | −1.6 | VE | 1945 | 2320 | −2.1 |
| 14 | 0145 | 0425 | +1.1 | 29 | 0235 | 0535 | +1.6 |
| | 0740 | 1055 | −1.1 | | 0900 | 1205 | −1.6 |
| FR | 1340 | 1640 | +1.3 | SA | 1455 | 1755 | +1.5 |
| VE | 1945 | 2330 | −1.6 | SA | 2100 | | |
| 15 | 0250 | 0540 | +1.2 | 30 | | 0035 | −2.2 |
| | 0855 | 1205 | −1.2 | | 0350 | 0655 | +1.8 |
| SA | 1455 | 1750 | +1.3 | SU | 1015 | 1315 | −1.8 |
| SA | 2050 | | | DI | 1615 | 1915 | +1.7 |
| | | | | | 2210 | | |
| | | | | 31 | | 0140 | −2.4 |
| | | | | | 0450 | 0800 | +2.1 |
| | | | | MO | 1115 | 1415 | −2.1 |
| | | | | LU | 1715 | 2010 | +1.9 |
| | | | | | 2310 | | |

### AUGUST-AOUT

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | | 0235 | −2.6 | 16 | | 0210 | −2.5 |
| | 0540 | 0845 | +2.4 | | 0515 | 0820 | +2.5 |
| TU | 1205 | 1505 | −2.4 | WE | 1135 | 1440 | −2.5 |
| MA | 1805 | 2100 | +2.1 | ME | 1740 | 2035 | +2.4 |
| | | | | | 2330 | | |
| 2 | 0000 | 0320 | −2.8 | 17 | | 0255 | −3.0 |
| | 0625 | 0930 | +2.7 | | 0555 | 0900 | +3.0 |
| WE | 1245 | 1550 | −2.6 | TH | 1215 | 1525 | −3.0 |
| ME | 1850 | 2140 | +2.3 | JE | 1825 | 2115 | +2.8 |
| 3 | 0040 | 0400 | −2.9 | 18 | 0015 | 0335 | −3.3 |
| | 0700 | 1000 | +2.8 | | 0635 | 0940 | +3.4 |
| TH | 1315 | 1625 | −2.8 | FR | 1250 | 1600 | −3.4 |
| JE | 1925 | 2215 | +2.4 | VE | 1905 | 2200 | +3.2 |
| 4 | 0115 | 0435 | −2.9 | 19 | 0100 | 0415 | −3.5 |
| | 0735 | 1035 | +2.9 | | 0715 | 1015 | +3.7 |
| FR | 1350 | 1700 | −2.8 | SA | 1325 | 1640 | −3.6 |
| VE | 2000 | 2250 | +2.5 | SA | 1945 | 2235 | +3.3 |
| 5 | 0150 | 0505 | −2.8 | 20 | 0140 | 0455 | −3.6 |
| | 0805 | 1105 | +2.8 | | 0755 | 1055 | +3.7 |
| SA | 1415 | 1730 | −2.8 | SU | 1405 | 1720 | −3.7 |
| SA | 2035 | 2320 | +2.4 | DI | 2025 | 2315 | +3.4 |
| 6 | 0220 | 0535 | −2.6 | 21 | 0220 | 0530 | −3.4 |
| | 0835 | 1130 | +2.7 | | 0835 | 1135 | +3.6 |
| SU | 1445 | 1800 | −2.6 | MO | 1440 | 1800 | −3.6 |
| DI | 2105 | 2350 | +2.3 | LU | 2105 | | |
| 7 | 0250 | 0605 | −2.4 | 22 | | 0000 | +3.2 |
| | 0905 | 1200 | +2.6 | | 0300 | 0610 | −3.1 |
| MO | 1510 | 1830 | −2.5 | TU | 0915 | 1210 | +3.3 |
| LU | 2140 | | | MA | 1520 | 1840 | −3.3 |
| | | | | | 2150 | | |
| 8 | | 0020 | +2.1 | 23 | | 0040 | +2.8 |
| | 0320 | 0630 | −2.1 | | 0345 | 0655 | −2.6 |
| TU | 0935 | 1230 | +2.3 | WE | 0955 | 1255 | +2.8 |
| MA | 1535 | 1900 | −2.3 | ME | 1600 | 1925 | −2.9 |
| | 2215 | | | | 2240 | | |
| 9 | | 0055 | +1.9 | 24 | | 0130 | +2.4 |
| | 0350 | 0705 | −1.8 | | 0435 | 0745 | −2.1 |
| WE | 1005 | 1305 | +2.0 | TH | 1045 | 1340 | +2.2 |
| ME | 1605 | 1930 | −2.0 | JE | 1650 | 2020 | −2.4 |
| | 2255 | | | | 2340 | | |
| 10 | | 0135 | +1.6 | 25 | | 0225 | +1.8 |
| | 0430 | 0745 | −1.4 | | 0540 | 0855 | −1.6 |
| TH | 1045 | 1345 | +1.7 | FR | 1150 | 1440 | +1.6 |
| JE | 1645 | 2015 | −1.8 | VE | 1750 | 2130 | −1.9 |
| | 2345 | | | | | | |
| 11 | | 0225 | +1.3 | 26 | 0050 | 0340 | +1.4 |
| | 0525 | 0835 | −1.1 | | 0710 | 1020 | −1.2 |
| FR | 1135 | 1435 | +1.4 | SA | 1315 | 1605 | +1.2 |
| VE | 1735 | 2120 | −1.5 | SA | 1915 | 2300 | −1.7 |
| 12 | 0050 | 0330 | +1.1 | 27 | 0215 | 0525 | +1.4 |
| | 0645 | 1000 | −0.9 | | 0855 | 1200 | −1.3 |
| SA | 1250 | 1545 | +1.1 | SU | 1455 | 1750 | +1.1 |
| SA | 1845 | 2245 | −1.4 | DI | 2050 | | |
| 13 | 0210 | 0500 | +1.1 | 28 | | 0025 | −1.9 |
| | 0830 | 1140 | −1.0 | | 0335 | 0655 | +1.7 |
| SU | 1430 | 1720 | +1.0 | MO | 1010 | 1315 | −1.7 |
| DI | 2020 | | | LU | 1615 | 1910 | +1.4 |
| | | | | | 2205 | | |
| 14 | | 0010 | −1.6 | 29 | | 0130 | −2.2 |
| | 0325 | 0630 | +1.4 | | 0435 | 0750 | +2.1 |
| MO | 0955 | 1300 | −1.4 | TU | 1105 | 1405 | −2.1 |
| LU | 1550 | 1845 | +1.4 | MA | 1710 | 2005 | +1.8 |
| | 2140 | | | | 2300 | | |
| 15 | | 0120 | −2.0 | 30 | | 0220 | −2.5 |
| | 0425 | 0730 | +2.0 | | 0525 | 0835 | +2.4 |
| TU | 1050 | 1355 | −1.9 | WE | 1145 | 1450 | −2.5 |
| MA | 1655 | 1945 | +1.8 | ME | 1755 | 2050 | +2.1 |
| | 2240 | | | | 2345 | | |
| | | | | 31 | | 0300 | −2.7 |
| | | | | | 0600 | 0905 | +2.7 |
| | | | | TH | 1220 | 1525 | −2.8 |
| | | | | JE | 1830 | 2120 | +2.4 |

### SEPTEMBER-SEPTEMBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | 0020 | 0335 | −2.9 | 16 | 0000 | 0310 | −3.4 |
| | 0635 | 0935 | +2.9 | | 0610 | 0915 | +3.6 |
| FR | 1250 | 1600 | −2.9 | SA | 1225 | 1540 | −3.7 |
| VE | 1900 | 2150 | +2.5 | SA | 1845 | 2135 | +3.4 |
| 2 | 0050 | 0405 | −2.9 | 17 | 0040 | 0350 | −3.6 |
| | 0705 | 1005 | +3.0 | | 0650 | 0950 | +3.8 |
| SA | 1315 | 1625 | −3.0 | SU | 1300 | 1615 | −3.9 |
| SA | 1930 | 2220 | +2.6 | DI | 1920 | 2215 | +3.5 |
| 3 | 0120 | 0435 | −2.8 | 18 | 0120 | 0430 | −3.6 |
| | 0730 | 1030 | +3.0 | | 0730 | 1030 | +3.8 |
| SU | 1335 | 1655 | −3.0 | MO | 1335 | 1650 | −3.9 |
| DI | 2000 | 2245 | +2.6 | LU | 2000 | 2255 | +3.5 |
| 4 | 0145 | 0500 | −2.7 | 19 | 0155 | 0505 | −3.4 |
| | 0755 | 1055 | +2.9 | | 0805 | 1105 | +3.6 |
| MO | 1400 | 1720 | −2.9 | TU | 1410 | 1730 | −3.6 |
| LU | 2030 | 2315 | +2.5 | MA | 2040 | 2335 | +3.2 |
| 5 | 0215 | 0525 | −2.5 | 20 | 0240 | 0545 | −3.0 |
| | 0825 | 1120 | +2.7 | | 0845 | 1145 | +3.2 |
| TU | 1425 | 1745 | −2.7 | WE | 1450 | 1810 | −3.2 |
| MA | 2100 | 2345 | +2.4 | ME | 2125 | | |
| 6 | 0245 | 0550 | −2.2 | 21 | | 0015 | +2.8 |
| | 0850 | 1150 | +2.5 | | 0320 | 0630 | −2.5 |
| WE | 1450 | 1810 | −2.5 | TH | 0930 | 1225 | +2.6 |
| ME | 2130 | | | JE | 1530 | 1855 | −2.7 |
| | | | | | 2215 | | |
| 7 | | 0020 | +2.1 | 22 | | 0100 | +2.2 |
| | 0315 | 0620 | −1.9 | | 0415 | 0725 | −1.9 |
| TH | 0925 | 1225 | +2.2 | FR | 1020 | 1315 | +2.0 |
| JE | 1520 | 1845 | −2.2 | VE | 1615 | 1955 | −2.2 |
| | 2210 | | | | 2310 | | |
| 8 | | 0055 | +1.8 | 23 | | 0200 | +1.7 |
| | 0355 | 0655 | −1.5 | | 0520 | 0835 | −1.3 |
| FR | 1005 | 1305 | +1.8 | SA | 1130 | 1415 | +1.3 |
| VE | 1600 | 1925 | −1.9 | SA | 1720 | 2110 | −1.7 |
| | 2300 | | | | | | |
| 9 | | 0145 | +1.5 | 24 | 0030 | 0320 | +1.3 |
| | 0450 | 0755 | −1.1 | | 0705 | 1010 | −1.1 |
| SA | 1100 | 1400 | +1.3 | SU | 1305 | 1545 | +0.9 |
| SA | 1650 | 2035 | −1.5 | DI | 1855 | 2245 | −1.5 |
| 10 | 0010 | 0300 | +1.2 | 25 | 0155 | 0515 | +1.3 |
| | 0615 | 0935 | −0.9 | | 0845 | 1145 | −1.3 |
| SU | 1230 | 1520 | +1.0 | MO | 1450 | 1745 | +1.0 |
| DI | 1815 | 2220 | −1.4 | LU | 2040 | | |
| 11 | 0140 | 0435 | +1.2 | 26 | | 0005 | −1.7 |
| | 0815 | 1130 | −1.0 | | 0315 | 0635 | +1.6 |
| MO | 1420 | 1705 | +1.0 | TU | 0950 | 1255 | −1.7 |
| LU | 2005 | 2355 | −1.6 | MA | 1600 | 1900 | +1.4 |
| | | | | | 2150 | | |
| 12 | 0300 | 0610 | +1.6 | 27 | | 0105 | −2.0 |
| | 0935 | 1240 | −1.6 | | 0410 | 0725 | +2.0 |
| TU | 1540 | 1830 | +1.4 | WE | 1040 | 1345 | −2.1 |
| MA | 2130 | | | ME | 1650 | 1945 | +1.8 |
| | | | | | 2240 | | |
| 13 | | 0100 | −2.1 | 28 | | 0150 | −2.3 |
| | 0400 | 0710 | +2.1 | | 0455 | 0805 | +2.3 |
| WE | 1025 | 1335 | −2.2 | TH | 1115 | 1420 | −2.5 |
| ME | 1635 | 1930 | +2.0 | JE | 1730 | 2020 | +2.1 |
| | 2230 | | | | 2320 | | |
| 14 | | 0150 | −2.6 | 29 | | 0230 | −2.5 |
| | 0450 | 0755 | +2.7 | | 0530 | 0835 | +2.6 |
| TH | 1110 | 1420 | −2.8 | FR | 1145 | 1455 | −2.8 |
| JE | 1725 | 2015 | +2.6 | VE | 1800 | 2050 | +2.3 |
| | 2315 | | | | 2350 | | |
| 15 | | 0230 | −3.1 | 30 | | 0305 | −2.7 |
| | 0535 | 0835 | +3.3 | | 0600 | 0900 | +2.8 |
| FR | 1145 | 1500 | −3.4 | SA | 1210 | 1525 | −3.0 |
| VE | 1805 | 2055 | +3.1 | SA | 1830 | 2120 | +2.5 |

+ FLOOD/FLOT DIRECTION 032 TRUE/VRAIE  − EBB/JUSANT DIRECTION 212 TRUE/VRAIE

## TABLE DES COURANTS

# GRAND MANAN CHANNEL (HNA Z 4)

1989

### OCTOBER-OCTOBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate kn | Jour | Heure | Heure | Vit n |
| 1 | 0020 | 0330 | −2.7 | 16 | 0015 | 0325 | −3.4 |
| | 0625 | 0925 | +2.9 | | 0625 | 0925 | +3.6 |
| SU | 1235 | 1550 | −3.0 | MO | 1230 | 1550 | −3.9 |
| DI | 1855 | 2145 | +2.6 | LU | 1900 | 2150 | +3.4 |
| 2 | 0050 | 0400 | −2.7 | 17 | 0100 | 0405 | −3.4 |
| | 0655 | 0950 | +2.9 | | 0705 | 1005 | +3.5 |
| MO | 1255 | 1615 | −3.0 | TU | 1310 | 1630 | −3.8 |
| LU | 1925 | 2215 | +2.7 | MA | 1940 | 2230 | +3.3 |
| 3 | 0115 | 0425 | −2.6 | 18 | 0140 | 0445 | −3.1 |
| | 0720 | 1020 | +2.8 | | 0745 | 1040 | +3.3 |
| TU | 1320 | 1640 | −3.0 | WE | 1345 | 1710 | −3.5 |
| MA | 1955 | 2240 | +2.6 | ME | 2020 | 2315 | +3.0 |
| 4 | 0145 | 0450 | −2.4 | 19 | 0220 | 0530 | −2.7 |
| | 0750 | 1050 | +2.7 | | 0830 | 1125 | +2.8 |
| WE | 1350 | 1710 | −2.8 | TH | 1425 | 1750 | −3.0 |
| ME | 2025 | 2315 | +2.5 | JE | 2105 | 2355 | +2.6 |
| 5 | 0215 | 0520 | −2.2 | 20 | 0310 | 0615 | −2.2 |
| | 0820 | 1120 | +2.5 | | 0915 | 1205 | +2.3 |
| TH | 1415 | 1740 | −2.6 | FR | 1510 | 1840 | −2.5 |
| JE | 2100 | 2350 | +2.2 | VE | 2155 | | |
| 6 | 0250 | 0555 | −1.9 | 21 | | 0045 | +2.1 |
| | 0900 | 1200 | +2.2 | | 0405 | 0715 | −1.7 |
| FR | 1450 | 1815 | −2.3 | SA | 1010 | 1255 | +1.7 |
| VE | 2145 | | | SA | 1600 | 1940 | −2.0 |
| | | | | | 2255 | | |
| 7 | | 0035 | +1.9 | 22 | | 0145 | +1.7 |
| | 0335 | 0640 | −1.6 | | 0515 | 0825 | −1.4 |
| SA | 0945 | 1245 | +1.8 | SU | 1120 | 1400 | +1.2 |
| SA | 1535 | 1905 | −1.9 | DI | 1705 | 2055 | −1.6 |
| | 2240 | | | | | | |
| 8 | | 0130 | +1.6 | 23 | 0005 | 0300 | +1.4 |
| | 0440 | 0750 | −1.2 | | 0645 | 0955 | −1.2 |
| SU | 1050 | 1345 | +1.3 | MO | 1250 | 1530 | +0.9 |
| DI | 1635 | 2020 | −1.6 | LU | 1835 | 2220 | −1.5 |
| | 2350 | | | | | | |
| 9 | | 0245 | +1.4 | 24 | 0125 | 0435 | +1.3 |
| | 0605 | 0930 | −1.1 | | 0810 | 1115 | −1.4 |
| MO | 1225 | 1510 | +1.1 | TU | 1420 | 1710 | +1.0 |
| LU | 1805 | 2200 | −1.5 | MA | 2010 | 2330 | −1.6 |
| 10 | 0115 | 0415 | +1.4 | 25 | 0235 | 0550 | +1.6 |
| | 0745 | 1105 | −1.4 | | 0910 | 1215 | −1.7 |
| TU | 1400 | 1650 | +1.2 | WE | 1525 | 1820 | +1.3 |
| MA | 1950 | 2325 | −1.8 | ME | 2115 | | |
| 11 | 0230 | 0540 | +1.8 | 26 | | 0030 | −1.8 |
| | 0900 | 1210 | −1.9 | | 0330 | 0640 | +1.8 |
| WE | 1515 | 1805 | +1.7 | TH | 0955 | 1305 | −2.1 |
| ME | 2105 | | | JE | 1615 | 1910 | +1.6 |
| | | | | | 2205 | | |
| 12 | | 0030 | −2.2 | 27 | | 0115 | −2.0 |
| | 0330 | 0635 | +2.4 | | 0410 | 0720 | +2.1 |
| TH | 0950 | 1305 | −2.5 | FR | 1030 | 1340 | −2.4 |
| JE | 1610 | 1905 | +2.2 | VE | 1650 | 1945 | +1.9 |
| | 2205 | | | | 2245 | | |
| 13 | | 0120 | −2.7 | 28 | | 0150 | −2.2 |
| | 0420 | 0725 | +2.9 | | 0450 | 0750 | +2.3 |
| FR | 1035 | 1350 | −3.1 | SA | 1100 | 1415 | −2.6 |
| VE | 1655 | 1950 | +2.7 | SA | 1725 | 2015 | +2.2 |
| | 2250 | | | | 2320 | | |
| 14 | | 0205 | −3.1 | 29 | | 0225 | −2.3 |
| | 0505 | 0805 | +3.3 | | 0520 | 0820 | +2.5 |
| SA | 1115 | 1430 | −3.5 | SU | 1125 | 1445 | −2.8 |
| SA | 1740 | 2030 | +3.1 | DI | 1755 | 2045 | +2.3 |
| | 2335 | | | | 2350 | | |
| 15 | | 0245 | −3.4 | 30 | | 0255 | −2.4 |
| | 0545 | 0845 | +3.5 | | 0550 | 0850 | +2.6 |
| SU | 1155 | 1510 | −3.8 | MO | 1155 | 1515 | −2.9 |
| DI | 1820 | 2110 | +3.4 | LU | 1825 | 2115 | +2.5 |
| | | | | 31 | 0020 | 0325 | −2.4 |
| | | | | | 0620 | 0920 | +2.6 |
| | | | | TU | 1220 | 1545 | −2.9 |
| | | | | MA | 1855 | 2145 | +2.6 |

### NOVEMBER-NOVEMBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate kn | Jour | Heure | Heure | Vit n |
| 1 | 0050 | 0355 | −2.4 | 16 | 0130 | 0435 | −2.8 |
| | 0650 | 0950 | +2.6 | | 0730 | 1025 | +2.9 |
| WE | 1250 | 1610 | −2.9 | TH | 1330 | 1655 | −3.2 |
| ME | 1925 | 2215 | +2.6 | JE | 2005 | 2300 | +2.8 |
| 2 | 0120 | 0430 | −2.3 | 17 | 0215 | 0520 | −2.5 |
| | 0725 | 1025 | +2.6 | | 0820 | 1110 | +2.5 |
| TH | 1320 | 1645 | −2.8 | FR | 1415 | 1740 | −2.9 |
| JE | 2000 | 2255 | +2.5 | VE | 2050 | 2345 | +2.5 |
| 3 | 0200 | 0505 | −2.2 | 18 | 0300 | 0610 | −2.2 |
| | 0805 | 1100 | +2.4 | | 0910 | 1155 | +2.1 |
| FR | 1355 | 1720 | −2.6 | SA | 1500 | 1830 | −2.5 |
| VE | 2040 | 2335 | +2.4 | SA | 2140 | | |
| 4 | 0240 | 0545 | −2.0 | 19 | | 0035 | +2.2 |
| | 0850 | 1145 | +2.1 | | 0355 | 0710 | −1.9 |
| SA | 1440 | 1805 | −2.4 | SU | 1005 | 1245 | +1.7 |
| SA | 2130 | | | DI | 1550 | 1925 | −2.1 |
| | | | | | 2235 | | |
| 5 | | 0020 | +2.1 | 20 | | 0130 | +1.9 |
| | 0330 | 0640 | −1.7 | | 0455 | 0810 | −1.6 |
| SU | 0945 | 1235 | +1.8 | MO | 1110 | 1345 | +1.3 |
| DI | 1530 | 1905 | −2.1 | LU | 1650 | 2030 | −1.7 |
| | 2225 | | | | 2330 | | |
| 6 | | 0120 | +1.9 | 21 | | 0230 | +1.6 |
| | 0435 | 0750 | −1.6 | | 0600 | 0920 | −1.5 |
| MO | 1050 | 1340 | +1.6 | TU | 1220 | 1455 | +1.1 |
| LU | 1635 | 2015 | −1.9 | MA | 1800 | 2135 | −1.5 |
| | 2330 | | | | | | |
| 7 | | 0225 | +1.8 | 22 | 0035 | 0335 | +1.5 |
| | 0550 | 0910 | −1.6 | | 0710 | 1025 | −1.5 |
| TU | 1210 | 1455 | +1.4 | WE | 1330 | 1615 | +1.1 |
| MA | 1755 | 2135 | −1.8 | ME | 1915 | 2240 | −1.5 |
| 8 | 0040 | 0340 | +1.8 | 23 | 0135 | 0440 | +1.5 |
| | 0705 | 1025 | −1.8 | | 0805 | 1125 | −1.7 |
| WE | 1330 | 1620 | +1.5 | TH | 1435 | 1720 | +1.2 |
| ME | 1920 | 2250 | −2.0 | JE | 2025 | 2340 | −1.5 |
| 9 | 0150 | 0455 | +2.1 | 24 | 0230 | 0540 | +1.6 |
| | 0815 | 1130 | −2.2 | | 0855 | 1215 | −1.9 |
| TH | 1440 | 1730 | +1.9 | FR | 1525 | 1815 | +1.4 |
| JE | 2035 | 2350 | −2.3 | VE | 2120 | | |
| 10 | 0250 | 0555 | +2.4 | 25 | | 0025 | −1.6 |
| | 0910 | 1225 | −2.7 | | 0320 | 0625 | +1.7 |
| FR | 1535 | 1830 | +2.3 | SA | 0935 | 1255 | −2.1 |
| VE | 2135 | | | SA | 1605 | 1900 | +1.6 |
| | | | | | 2205 | | |
| 11 | | 0045 | −2.6 | 26 | | 0110 | −1.8 |
| | 0345 | 0650 | +2.8 | | 0400 | 0705 | +1.9 |
| SA | 1000 | 1315 | −3.1 | SU | 1010 | 1335 | −2.3 |
| SA | 1625 | 1920 | +2.7 | DI | 1645 | 1935 | +1.8 |
| | 2225 | | | | 2245 | | |
| 12 | | 0135 | −2.9 | 27 | | 0150 | −1.9 |
| | 0435 | 0735 | +3.0 | | 0440 | 0740 | +2.0 |
| SU | 1045 | 1400 | −3.4 | MO | 1045 | 1410 | −2.4 |
| DI | 1710 | 2005 | +3.0 | LU | 1720 | 2010 | +2.1 |
| | 2315 | | | | 2320 | | |
| 13 | | 0220 | −3.0 | 28 | | 0225 | −2.0 |
| | 0520 | 0820 | +3.2 | | 0520 | 0815 | +2.2 |
| MO | 1125 | 1445 | −3.6 | TU | 1115 | 1445 | −2.6 |
| LU | 1755 | 2050 | +3.2 | MA | 1755 | 2045 | +2.3 |
| | | | | | 2355 | | |
| 14 | 0000 | 0305 | −3.1 | 29 | | 0300 | −2.1 |
| | 0605 | 0905 | +3.2 | | 0555 | 0850 | +2.3 |
| TU | 1210 | 1530 | −3.6 | WE | 1150 | 1520 | −2.7 |
| MA | 1840 | 2135 | +3.2 | ME | 1830 | 2125 | +2.4 |
| 15 | 0045 | 0350 | −3.0 | 30 | 0030 | 0340 | −2.2 |
| | 0650 | 0945 | +3.1 | | 0635 | 0930 | +2.4 |
| WE | 1250 | 1610 | −3.5 | TH | 1225 | 1555 | −2.8 |
| ME | 1920 | 2215 | +3.1 | JE | 1905 | 2200 | +2.5 |

### DECEMBER-DECEMBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate kn | Jour | Heure | Heure | Vit n |
| 1 | 0110 | 0420 | −2.2 | 16 | 0210 | 0515 | −2.5 |
| | 0715 | 1010 | +2.4 | | 0815 | 1105 | +2.4 |
| FR | 1305 | 1635 | −2.8 | SA | 1405 | 1730 | −2.8 |
| VE | 1945 | 2240 | +2.6 | SA | 2040 | 2335 | +2.6 |
| 2 | 0150 | 0500 | −2.3 | 17 | 0255 | 0605 | −2.4 |
| | 0800 | 1055 | +2.4 | | 0900 | 1150 | +2.2 |
| SA | 1350 | 1715 | −2.7 | SU | 1450 | 1815 | −2.5 |
| SA | 2030 | 2325 | +2.6 | DI | 2120 | | |
| 3 | 0235 | 0545 | −2.2 | 18 | | 0015 | +2.4 |
| | 0850 | 1140 | +2.3 | | 0335 | 0650 | −2.2 |
| SU | 1435 | 1805 | −2.6 | MO | 0950 | 1235 | +1.9 |
| DI | 2115 | | | LU | 1535 | 1900 | −2.2 |
| | | | | | 2205 | | |
| 4 | | 0010 | +2.5 | 19 | | 0100 | +2.2 |
| | 0325 | 0640 | −2.2 | | 0420 | 0740 | −2.0 |
| MO | 0940 | 1230 | +2.1 | TU | 1040 | 1320 | +1.6 |
| LU | 1525 | 1855 | −2.4 | MA | 1620 | 1950 | −1.9 |
| | 2205 | | | | 2250 | | |
| 5 | | 0105 | +2.4 | 20 | | 0145 | +1.9 |
| | 0420 | 0735 | −2.2 | | 0505 | 0830 | −1.8 |
| TU | 1040 | 1330 | +2.0 | WE | 1130 | 1410 | +1.4 |
| MA | 1625 | 1955 | −2.3 | ME | 1710 | 2040 | −1.6 |
| | 2300 | | | | 2335 | | |
| 6 | | 0200 | +2.3 | 21 | | 0230 | +1.7 |
| | 0520 | 0840 | −2.2 | | 0555 | 0920 | −1.7 |
| WE | 1145 | 1430 | +1.9 | TH | 1225 | 1505 | +1.2 |
| ME | 1735 | 2100 | −2.2 | JE | 1810 | 2135 | −1.4 |
| 7 | 0000 | 0305 | +2.2 | 22 | 0025 | 0320 | +1.5 |
| | 0620 | 0945 | −2.2 | | 0645 | 1015 | −1.6 |
| TH | 1250 | 1540 | +1.9 | FR | 1325 | 1605 | +1.1 |
| JE | 1845 | 2205 | −2.1 | VE | 1915 | 2230 | −1.2 |
| 8 | 0105 | 0410 | +2.2 | 23 | 0120 | 0420 | +1.4 |
| | 0725 | 1050 | −2.4 | | 0735 | 1110 | −1.6 |
| FR | 1400 | 1650 | +2.0 | SA | 1425 | 1705 | +1.1 |
| VE | 1955 | 2310 | −2.2 | SA | 2020 | 2330 | −1.2 |
| 9 | 0210 | 0515 | +2.3 | 24 | 0215 | 0515 | +1.3 |
| | 0825 | 1150 | −2.6 | | 0825 | 1200 | −1.7 |
| SA | 1500 | 1755 | +2.2 | SU | 1520 | 1805 | +1.3 |
| SA | 2105 | | | DI | 2120 | | |
| 10 | | 0015 | −2.3 | 25 | | 0025 | −1.3 |
| | 0310 | 0615 | +2.4 | | 0315 | 0610 | +1.4 |
| SU | 0920 | 1245 | −2.8 | MO | 0915 | 1250 | −1.9 |
| DI | 1555 | 1855 | +2.4 | LU | 1605 | 1900 | +1.5 |
| | 2205 | | | | 2215 | | |
| 11 | | 0110 | −2.5 | 26 | | 0120 | −1.4 |
| | 0405 | 0710 | +2.6 | | 0405 | 0705 | +1.6 |
| MO | 1015 | 1335 | −3.0 | TU | 1005 | 1340 | −2.1 |
| LU | 1650 | 1945 | +2.6 | MA | 1650 | 1945 | +1.8 |
| | 2300 | | | | 2300 | | |
| 12 | | 0205 | −2.6 | 27 | | 0205 | −1.7 |
| | 0500 | 0800 | +2.7 | | 0455 | 0750 | +1.6 |
| TU | 1105 | 1425 | −3.2 | WE | 1050 | 1420 | −2.3 |
| MA | 1740 | 2035 | +2.8 | ME | 1735 | 2030 | +2.1 |
| | 2350 | | | | 2340 | | |
| 13 | | 0255 | −2.7 | 28 | | 0250 | −1.9 |
| | 0550 | 0850 | +2.7 | | 0545 | 0835 | +2.0 |
| WE | 1150 | 1515 | −3.2 | TH | 1135 | 1505 | −2.6 |
| ME | 1825 | 2125 | +2.9 | JE | 1815 | 2110 | +2.4 |
| 14 | 0035 | 0345 | −2.7 | 29 | 0025 | 0330 | −2.2 |
| | 0640 | 0935 | +2.7 | | 0625 | 0920 | +2.3 |
| TH | 1240 | 1600 | −3.2 | FR | 1215 | 1545 | −2.8 |
| JE | 1910 | 2210 | +2.9 | VE | 1855 | 2150 | +2.7 |
| 15 | 0125 | 0430 | −2.7 | 30 | 0105 | 0415 | −2.4 |
| | 0730 | 1020 | +2.6 | | 0710 | 1005 | +2.5 |
| FR | 1320 | 1645 | −3.0 | SA | 1300 | 1625 | −2.9 |
| VE | 1955 | 2250 | +2.8 | SA | 1935 | 2230 | +2.9 |
| | | | | 31 | 0145 | 0455 | −2.6 |
| | | | | | 0755 | 1045 | +2.6 |
| | | | | SU | 1345 | 1710 | −3.0 |
| | | | | DI | 2015 | 2315 | +3.0 |

+ FLOOD/FLOT DIRECTION 032 TRUE/VRAIE  − EBB/JUSANT DIRECTION 212 TRUE/VRAIE

# GREAT BRAS D'OR (AST)

## CURRENT TABLES

1989

### JANUARY-JANVIER

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | 0025 | **0310** | – | 16 | 0120 | **0400** | – |
| | 0555 | **0920** | + | | 0655 | **0955** | + |
| SU | 1245 | **1540** | – | MO | 1250 | **1605** | – |
| DI | 1835 | **2200** | + | LU | 1915 | **2250** | + |
| 2 | 0140 | **0410** | – | 17 | 0240 | **0510** | – |
| | 0645 | **1005** | + | | 0755 | **1055** | + |
| MO | 1310 | **1620** | – | TU | 1340 | **1710** | – |
| LU | 1920 | **2300** | + | MA | 2020 | | |
| 3 | 0255 | **0515** | – | 18 | | **0000** | + |
| | 0745 | **1050** | + | | 0400 | **0620** | – |
| TU | 1340 | **1705** | – | WE | 0855 | **1155** | + |
| MA | 2010 | | | ME | 1440 | **1815** | – |
| | | | | | 2130 | | |
| 4 | | **0000** | + | 19 | | **0105** | + |
| | 0405 | **0625** | – | | 0510 | **0730** | – |
| WE | 0850 | **1145** | + | TH | 1000 | **1300** | + |
| ME | 1420 | **1755** | – | JE | 1540 | **1915** | – |
| | 2105 | | | | 2230 | | |
| 5 | | **0055** | + | 20 | | **0210** | + |
| | 0510 | **0725** | – | | 0610 | **0830** | – |
| TH | 0950 | **1235** | + | FR | 1100 | **1355** | + |
| JE | 1505 | **1850** | – | VE | 1640 | **2015** | – |
| | 2200 | | | | 2330 | | |
| 6 | | **0150** | + | 21 | | **0305** | + |
| | 0600 | **0815** | – | | 0705 | **0925** | – |
| FR | 1045 | **1330** | + | SA | 1155 | **1450** | + |
| VE | 1555 | **1940** | – | SA | 1735 | **2105** | – |
| | 2255 | | | | | | |
| 7 | | **0240** | + | 22 | 0020 | **0355** | + |
| | 0650 | **0905** | – | | 0745 | **1010** | – |
| SA | 1135 | **1420** | + | SU | 1245 | **1540** | + |
| SA | 1650 | **2035** | – | DI | 1825 | **2155** | – |
| | 2350 | | | | | | |
| 8 | | **0330** | + | 23 | 0105 | **0435** | + |
| | 0730 | **0950** | – | | 0825 | **1050** | – |
| SU | 1220 | **1515** | + | MO | 1325 | **1625** | + |
| DI | 1750 | **2125** | – | LU | 1910 | **2235** | – |
| 9 | 0045 | **0415** | + | 24 | 0145 | **0515** | + |
| | 0810 | **1035** | – | | 0900 | **1130** | – |
| MO | 1305 | **1600** | + | TU | 1405 | **1705** | + |
| LU | 1845 | **2220** | – | MA | 1955 | **2315** | – |
| 10 | 0135 | **0505** | + | 25 | 0220 | **0550** | + |
| | 0850 | **1115** | – | | 0930 | **1200** | – |
| TU | 1345 | **1655** | + | WE | 1440 | **1745** | + |
| MA | 1945 | **2310** | – | ME | 2040 | **2350** | – |
| 11 | 0230 | **0550** | + | 26 | 0255 | **0620** | + |
| | 0925 | **1155** | – | | 1000 | **1230** | – |
| WE | 1430 | **1745** | + | TH | 1515 | **1820** | + |
| ME | 2045 | | | JE | 2120 | | |
| 12 | | **0005** | – | 27 | | **0025** | – |
| | 0320 | **0635** | + | | 0325 | **0650** | + |
| TH | 1005 | **1240** | – | FR | 1020 | **1300** | – |
| JE | 1520 | **1840** | + | VE | 1545 | **1855** | + |
| | 2145 | | | | 2205 | | |
| 13 | | **0100** | – | 28 | | **0105** | – |
| | 0410 | **0720** | + | | 0400 | **0720** | + |
| FR | 1040 | **1325** | – | SA | 1045 | **1330** | – |
| VE | 1610 | **1935** | + | SA | 1615 | **1935** | + |
| | 2255 | | | | 2255 | | |
| 14 | | **0155** | – | 29 | | **0140** | – |
| | 0505 | **0810** | + | | 0430 | **0750** | + |
| SA | 1120 | **1415** | – | SU | 1105 | **1400** | – |
| SA | 1705 | **2035** | + | DI | 1650 | **2020** | + |
| | | | | | 2355 | | |
| 15 | 0005 | **0255** | – | 30 | | **0230** | – |
| | 0600 | **0900** | + | | 0510 | **0820** | + |
| SU | 1205 | **1510** | – | MO | 1125 | **1435** | – |
| DI | 1805 | **2140** | + | LU | 1735 | **2110** | + |
| | | | | 31 | 0105 | **0325** | – |
| | | | | | 0555 | **0900** | + |
| | | | | TU | 1155 | **1520** | – |
| | | | | MA | 1825 | **2210** | + |

### FEBRUARY-FEVRIER

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | 0225 | **0435** | – | 16 | 0350 | **0605** | – |
| | 0655 | **0950** | + | | 0825 | **1130** | + |
| WE | 1230 | **1610** | – | TH | 1415 | **1755** | – |
| ME | 1930 | **2320** | + | JE | 2115 | | |
| 2 | 0345 | **0545** | – | 17 | | **0055** | + |
| | 0800 | **1055** | + | | 0505 | **0715** | – |
| TH | 1325 | **1715** | – | FR | 0940 | **1240** | + |
| JE | 2035 | | | VE | 1525 | **1900** | – |
| | | | | | 2220 | | |
| 3 | | **0025** | + | 18 | | **0155** | + |
| | 0455 | **0655** | – | | 0600 | **0815** | – |
| FR | 0915 | **1200** | + | SA | 1045 | **1345** | + |
| VE | 1430 | **1820** | – | SA | 1630 | **2000** | – |
| | 2140 | | | | 2315 | | |
| 4 | | **0130** | + | 19 | | **0250** | + |
| | 0545 | **0755** | – | | 0645 | **0905** | – |
| SA | 1015 | **1305** | + | SU | 1135 | **1440** | + |
| SA | 1540 | **1925** | – | DI | 1725 | **2050** | – |
| | 2245 | | | | | | |
| 5 | | **0225** | + | 20 | 0000 | **0335** | + |
| | 0630 | **0845** | – | | 0720 | **0945** | – |
| SU | 1105 | **1405** | + | MO | 1225 | **1525** | + |
| DI | 1645 | **2025** | – | LU | 1820 | **2135** | – |
| | 2340 | | | | | | |
| 6 | | **0315** | + | 21 | 0045 | **0410** | + |
| | 0705 | **0925** | – | | 0750 | **1020** | – |
| MO | 1155 | **1500** | + | TU | 1300 | **1605** | + |
| LU | 1750 | **2120** | – | MA | 1900 | **2215** | – |
| 7 | 0035 | **0400** | + | 22 | 0120 | **0445** | + |
| | 0740 | **1010** | – | | 0815 | **1055** | – |
| TU | 1240 | **1550** | + | WE | 1335 | **1640** | + |
| MA | 1850 | **2215** | – | ME | 1945 | **2250** | – |
| 8 | 0130 | **0445** | + | 23 | 0150 | **0510** | + |
| | 0815 | **1050** | – | | 0840 | **1120** | – |
| WE | 1325 | **1640** | + | TH | 1405 | **1715** | + |
| ME | 1950 | **2305** | – | JE | 2025 | **2325** | – |
| 9 | 0220 | **0530** | + | 24 | 0225 | **0540** | + |
| | 0850 | **1130** | – | | 0900 | **1145** | – |
| TH | 1410 | **1730** | + | FR | 1430 | **1745** | + |
| JE | 2045 | **2355** | – | VE | 2105 | | |
| 10 | 0305 | **0610** | + | 25 | | **0000** | – |
| | 0925 | **1210** | – | | 0255 | **0605** | + |
| FR | 1500 | **1825** | + | SA | 0920 | **1210** | – |
| VE | 2145 | | | SA | 1500 | **1820** | + |
| | | | | | 2145 | | |
| 11 | | **0045** | – | 26 | | **0035** | – |
| | 0355 | **0655** | + | | 0325 | **0630** | + |
| SA | 1000 | **1255** | – | SU | 0935 | **1235** | – |
| SA | 1550 | **1915** | + | DI | 1530 | **1900** | + |
| | 2245 | | | | 2235 | | |
| 12 | | **0140** | – | 27 | | **0110** | – |
| | 0440 | **0740** | + | | 0400 | **0700** | + |
| SU | 1035 | **1345** | – | MO | 0955 | **1305** | – |
| DI | 1645 | **2015** | + | LU | 1610 | **1940** | + |
| | 2355 | | | | 2335 | | |
| 13 | | **0235** | – | 28 | | **0200** | – |
| | 0525 | **0825** | + | | 0435 | **0735** | + |
| MO | 1120 | **1435** | – | TU | 1020 | **1345** | – |
| LU | 1745 | **2115** | + | MA | 1655 | **2035** | + |
| 14 | 0105 | **0335** | – | | | | |
| | 0620 | **0920** | + | | | | |
| TU | 1210 | **1535** | – | | | | |
| MA | 1850 | **2230** | + | | | | |
| 15 | 0230 | **0450** | – | | | | |
| | 0720 | **1020** | + | | | | |
| WE | 1310 | **1645** | – | | | | |
| ME | 2000 | **2340** | + | | | | |

### MARCH-MARS

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | 0040 | **0255** | – | 16 | 0220 | **0430** | – |
| | 0520 | **0815** | + | | 0650 | **0955** | + |
| WE | 1055 | **1435** | – | TH | 1245 | **1620** | – |
| ME | 1750 | **2140** | + | JE | 1940 | **2325** | + |
| 2 | 0200 | **0405** | – | 17 | 0335 | **0545** | – |
| | 0615 | **0915** | + | | 0805 | **1110** | + |
| TH | 1150 | **1535** | – | FR | 1400 | **1735** | – |
| JE | 1900 | **2250** | + | VE | 2050 | | |
| 3 | 0320 | **0520** | – | 18 | | **0035** | + |
| | 0730 | **1025** | + | | 0440 | **0655** | – |
| FR | 1255 | **1650** | – | SA | 0920 | **1230** | + |
| VE | 2010 | | | SA | 1515 | **1845** | – |
| | | | | | 2155 | | |
| 4 | | **0000** | + | 19 | | **0135** | + |
| | 0425 | **0630** | – | | 0530 | **0755** | – |
| SA | 0840 | **1145** | + | SU | 1025 | **1330** | + |
| SA | 1420 | **1805** | – | DI | 1625 | **1945** | – |
| | 2125 | | | | 2250 | | |
| 5 | | **0105** | + | 20 | | **0220** | + |
| | 0515 | **0725** | – | | 0605 | **0835** | – |
| SU | 0945 | **1255** | + | MO | 1115 | **1420** | + |
| DI | 1540 | **1915** | – | LU | 1720 | **2030** | – |
| | 2235 | | | | 2335 | | |
| 6 | | **0205** | + | 21 | | **0300** | + |
| | 0555 | **0815** | – | | 0635 | **0915** | – |
| MO | 1040 | **1355** | + | TU | 1155 | **1505** | + |
| LU | 1650 | **2015** | – | MA | 1805 | **2115** | – |
| | 2335 | | | | | | |
| 7 | | **0255** | + | 22 | 0015 | **0335** | + |
| | 0630 | **0855** | – | | 0700 | **0940** | – |
| TU | 1130 | **1450** | + | WE | 1225 | **1540** | + |
| MA | 1755 | **2110** | – | ME | 1850 | **2150** | – |
| 8 | 0025 | **0340** | + | 23 | 0050 | **0405** | + |
| | 0700 | **0940** | – | | 0725 | **1010** | – |
| WE | 1215 | **1540** | + | TH | 1255 | **1615** | + |
| ME | 1850 | **2205** | – | JE | 1930 | **2225** | – |
| 9 | 0115 | **0420** | + | 24 | 0120 | **0430** | + |
| | 0735 | **1020** | – | | 0740 | **1035** | – |
| TH | 1300 | **1630** | + | FR | 1320 | **1645** | + |
| JE | 1950 | **2255** | – | VE | 2005 | **2255** | – |
| 10 | 0205 | **0505** | + | 25 | 0155 | **0455** | + |
| | 0805 | **1100** | – | | 0800 | **1055** | – |
| FR | 1350 | **1720** | + | SA | 1345 | **1715** | + |
| VE | 2045 | **2340** | – | SA | 2045 | **2330** | – |
| 11 | 0245 | **0545** | + | 26 | 0225 | **0520** | + |
| | 0840 | **1145** | – | | 0815 | **1120** | – |
| SA | 1440 | **1810** | + | SU | 1420 | **1750** | + |
| SA | 2140 | | | DI | 2130 | | |
| 12 | | **0030** | – | 27 | | **0010** | – |
| | 0330 | **0625** | + | | 0255 | **0550** | + |
| SU | 0920 | **1230** | – | MO | 0835 | **1150** | – |
| DI | 1530 | **1900** | + | LU | 1455 | **1830** | + |
| | 2240 | | | | 2220 | | |
| 13 | | **0120** | – | 28 | | **0050** | – |
| | 0415 | **0710** | + | | 0330 | **0620** | + |
| MO | 1000 | **1315** | – | TU | 0905 | **1230** | – |
| LU | 1625 | **1955** | + | MA | 1535 | **1915** | + |
| | 2345 | | | | 2320 | | |
| 14 | | **0215** | – | 29 | | **0135** | – |
| | 0455 | **0755** | + | | 0410 | **0700** | + |
| TU | 1045 | **1410** | – | WE | 0940 | **1315** | – |
| MA | 1725 | **2100** | + | ME | 1630 | **2010** | + |
| 15 | 0055 | **0315** | – | 30 | 0025 | **0235** | – |
| | 0550 | **0850** | + | | 0455 | **0750** | + |
| WE | 1140 | **1510** | – | TH | 1025 | **1410** | – |
| ME | 1830 | **2210** | + | JE | 1730 | **2115** | + |
| | | | | 31 | 0135 | **0340** | – |
| | | | | | 0555 | **0855** | + |
| | | | | FR | 1130 | **1515** | – |
| | | | | VE | 1840 | **2225** | + |

RATES UNKNOWN + DIRECTION 040 TRUE/VRAIE – DIRECTION 220 TRUE/VRAIE VITESSE INCONNUE

## TABLE DES COURANTS

# GREAT BRAS D'OR (HNA 2-4)

1989

### APRIL-AVRIL

| Turns | | Maximum | | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit. n |
| 1 | 0245 | **0450** | – | | **16** | | **0000** | + |
| | 0705 | **1010** | + | | | 0355 | **0625** | – |
| SA | 1255 | **1635** | – | | SU | 0900 | **1210** | + |
| SA | 1955 | **2335** | + | | DI | 1505 | **1820** | – |
| | | | | | | 2120 | | |
| 2 | 0340 | **0555** | – | | **17** | | **0055** | + |
| | 0815 | **1130** | + | | | 0440 | **0715** | – |
| SU | 1425 | **1755** | – | | MO | 0955 | **1310** | + |
| DI | 2110 | | | | LU | 1610 | **1915** | – |
| | | | | | | 2215 | | |
| 3 | | **0040** | + | | **18** | | **0140** | + |
| | 0425 | **0650** | – | | | 0515 | **0755** | – |
| MO | 0915 | **1240** | + | | TU | 1040 | **1355** | + |
| LU | 1540 | **1905** | – | | MA | 1705 | **2005** | – |
| | 2220 | | | | | 2300 | | |
| 4 | | **0135** | + | | **19** | | **0220** | + |
| | 0505 | **0740** | – | | | 0540 | **0825** | – |
| TU | 1015 | **1340** | + | | WE | 1115 | **1435** | + |
| MA | 1650 | **2005** | – | | ME | 1755 | **2045** | – |
| | 2320 | | | | | 2340 | | |
| 5 | | **0225** | + | | **20** | | **0250** | + |
| | 0540 | **0825** | – | | | 0600 | **0855** | – |
| WE | 1105 | **1435** | + | | TH | 1145 | **1510** | + |
| ME | 1755 | **2100** | – | | JE | 1835 | **2125** | – |
| 6 | 0010 | **0310** | + | | **21** | 0015 | **0320** | + |
| | 0615 | **0910** | – | | | 0620 | **0920** | – |
| TH | 1155 | **1525** | + | | FR | 1210 | **1540** | + |
| JE | 1850 | **2150** | – | | VE | 1915 | **2200** | – |
| 7 | 0100 | **0355** | + | | **22** | 0050 | **0345** | + |
| | 0650 | **0950** | – | | | 0640 | **0945** | – |
| FR | 1245 | **1615** | + | | SA | 1240 | **1615** | + |
| VE | 1945 | **2240** | – | | SA | 1955 | **2235** | – |
| 8 | 0140 | **0435** | + | | **23** | 0125 | **0415** | + |
| | 0725 | **1035** | – | | | 0700 | **1015** | – |
| SA | 1335 | **1705** | + | | SU | 1310 | **1650** | + |
| SA | 2040 | **2325** | – | | DI | 2035 | **2310** | – |
| 9 | 0225 | **0515** | + | | **24** | 0155 | **0445** | + |
| | 0805 | **1120** | – | | | 0720 | **1045** | – |
| SU | 1425 | **1755** | + | | MO | 1350 | **1725** | + |
| DI | 2135 | | | | LU | 2120 | **2350** | – |
| 10 | | **0015** | – | | **25** | 0230 | **0515** | + |
| | 0305 | **0555** | + | | | 0750 | **1120** | – |
| MO | 0845 | **1205** | – | | TU | 1430 | **1810** | + |
| LU | 1515 | **1845** | + | | MA | 2210 | | |
| | 2235 | | | | | | | |
| 11 | | **0105** | – | | **26** | | **0035** | – |
| | 0345 | **0645** | + | | | 0310 | **0555** | + |
| TU | 0930 | **1255** | – | | WE | 0830 | **1205** | – |
| MA | 1610 | **1940** | + | | ME | 1520 | **1900** | + |
| | 2335 | | | | | 2305 | | |
| 12 | | **0200** | – | | **27** | | **0120** | – |
| | 0435 | **0730** | + | | | 0350 | **0640** | + |
| WE | 1020 | **1350** | – | | TH | 0915 | **1255** | – |
| ME | 1705 | **2040** | + | | JE | 1615 | **1955** | + |
| 13 | 0045 | **0300** | – | | **28** | 0000 | **0215** | – |
| | 0525 | **0830** | + | | | 0440 | **0740** | + |
| TH | 1115 | **1450** | – | | FR | 1020 | **1355** | – |
| JE | 1805 | **2145** | + | | VE | 1715 | **2055** | + |
| 14 | 0155 | **0410** | – | | **29** | 0100 | **0315** | – |
| | 0635 | **0940** | + | | | 0535 | **0845** | + |
| FR | 1230 | **1600** | – | | SA | 1135 | **1510** | – |
| VE | 1915 | **2255** | + | | SA | 1825 | **2200** | + |
| 15 | 0300 | **0520** | – | | **30** | 0155 | **0415** | – |
| | 0750 | **1055** | + | | | 0640 | **1000** | + |
| SA | 1345 | **1710** | – | | SU | 1300 | **1625** | – |
| SA | 2020 | | | | DI | 1940 | **2305** | + |

### MAY-MAI

| Turns | | Maximum | | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit. n |
| 1 | 0245 | **0515** | – | | **16** | | **0000** | + |
| | 0750 | **1115** | + | | | 0335 | **0625** | – |
| MO | 1425 | **1740** | – | | TU | 0910 | **1230** | + |
| LU | 2055 | | | | MA | 1550 | **1840** | – |
| | | | | | | 2120 | | |
| 2 | | **0010** | + | | **17** | | **0045** | + |
| | 0330 | **0610** | – | | | 0405 | **0700** | – |
| TU | 0850 | **1220** | + | | WE | 0950 | **1320** | + |
| MA | 1540 | **1850** | – | | ME | 1650 | **1930** | – |
| | 2200 | | | | | 2210 | | |
| 3 | | **0105** | + | | **18** | | **0125** | + |
| | 0410 | **0705** | – | | | 0430 | **0735** | – |
| WE | 0950 | **1325** | + | | TH | 1025 | **1400** | + |
| ME | 1650 | **1950** | – | | JE | 1735 | **2015** | – |
| | 2255 | | | | | 2255 | | |
| 4 | | **0155** | + | | **19** | | **0200** | + |
| | 0450 | **0755** | – | | | 0455 | **0800** | – |
| TH | 1045 | **1420** | + | | FR | 1100 | **1435** | + |
| JE | 1750 | **2045** | – | | VE | 1820 | **2055** | – |
| | 2345 | | | | | 2340 | | |
| 5 | | **0240** | + | | **20** | | **0230** | + |
| | 0530 | **0840** | – | | | 0515 | **0830** | – |
| FR | 1135 | **1510** | + | | SA | 1130 | **1510** | + |
| VE | 1850 | **2135** | – | | SA | 1905 | **2135** | – |
| 6 | 0035 | **0325** | + | | **21** | 0020 | **0305** | + |
| | 0610 | **0925** | – | | | 0540 | **0905** | – |
| SA | 1230 | **1600** | + | | SU | 1205 | **1550** | + |
| SA | 1945 | **2225** | – | | DI | 1945 | **2210** | – |
| 7 | 0120 | **0410** | + | | **22** | 0055 | **0335** | + |
| | 0650 | **1015** | – | | | 0605 | **0940** | – |
| SU | 1320 | **1650** | + | | MO | 1245 | **1630** | + |
| DI | 2035 | **2310** | – | | LU | 2030 | **2250** | – |
| 8 | 0200 | **0450** | + | | **23** | 0130 | **0415** | + |
| | 0735 | **1100** | – | | | 0645 | **1020** | – |
| MO | 1410 | **1740** | + | | TU | 1330 | **1710** | + |
| LU | 2130 | | | | MA | 2110 | **2335** | – |
| 9 | | **0000** | – | | **24** | 0210 | **0455** | + |
| | 0240 | **0535** | + | | | 0725 | **1105** | – |
| TU | 0820 | **1145** | – | | WE | 1415 | **1755** | + |
| MA | 1500 | **1830** | + | | ME | 2200 | | |
| | 2225 | | | | | | | |
| 10 | | **0050** | – | | **25** | | **0015** | – |
| | 0325 | **0625** | + | | | 0250 | **0540** | + |
| WE | 0910 | **1235** | – | | TH | 0815 | **1150** | – |
| ME | 1550 | **1925** | + | | JE | 1510 | **1845** | + |
| | 2320 | | | | | 2245 | | |
| 11 | | **0145** | – | | **26** | | **0100** | – |
| | 0415 | **0715** | + | | | 0330 | **0630** | + |
| TH | 1000 | **1330** | – | | FR | 0915 | **1250** | – |
| JE | 1645 | **2020** | + | | VE | 1605 | **1935** | + |
| | | | | | | 2330 | | |
| 12 | 0020 | **0240** | – | | **27** | | **0150** | – |
| | 0510 | **0810** | + | | | 0420 | **0730** | + |
| FR | 1100 | **1425** | – | | SA | 1020 | **1350** | – |
| VE | 1740 | **2115** | + | | SA | 1705 | **203[illegible]** | + |
| 13 | 0115 | **0340** | – | | **28** | 0020 | **0245** | – |
| | 0615 | **0920** | + | | | 0515 | **0835** | + |
| SA | 1210 | **1530** | – | | SU | 1140 | **1455** | – |
| SA | 1835 | **2215** | + | | DI | 1810 | **2130** | + |
| 14 | 0210 | **0440** | – | | **29** | 0105 | **0340** | – |
| | 0720 | **1025** | + | | | 0620 | **0945** | + |
| SU | 1330 | **1635** | – | | MO | 1300 | **1610** | – |
| DI | 1930 | **2310** | + | | LU | 1920 | **2230** | + |
| 15 | 0255 | **0535** | – | | **30** | 0150 | **0440** | – |
| | 0820 | **1135** | + | | | 0720 | **1055** | + |
| MO | 1445 | **1740** | – | | TU | 1420 | **1720** | – |
| LU | 2030 | | | | MA | 2025 | **2330** | + |
| | | | | | **31** | 0235 | **0535** | – |
| | | | | | | 0825 | **1200** | + |
| | | | | | WE | 1535 | **1830** | – |
| | | | | | ME | 2130 | | |

### JUNE-JUIN

| Turns | | Maximum | | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit. n |
| 1 | | **0025** | + | | **16** | | **0020** | + |
| | 0320 | **0630** | – | | | 0315 | **0630** | – |
| TH | 0930 | **1305** | + | | FR | 0935 | **1320** | + |
| JE | 1645 | **1930** | – | | VE | 1720 | **1940** | – |
| | 2230 | | | | | 2210 | | |
| 2 | | **0120** | + | | **17** | | **0105** | + |
| | 0405 | **0725** | – | | | 0340 | **0710** | – |
| FR | 1025 | **1405** | + | | SA | 1015 | **1400** | + |
| VE | 1750 | **2030** | – | | SA | 1810 | **2030** | – |
| | 2320 | | | | | 2300 | | |
| 3 | | **0210** | + | | **18** | | **0145** | + |
| | 0455 | **0815** | – | | | 0415 | **0750** | – |
| SA | 1125 | **1500** | + | | SU | 1100 | **1445** | + |
| SA | 1845 | **2120** | – | | DI | 1855 | **2110** | – |
| | | | | | | 2345 | | |
| 4 | 0010 | **0300** | + | | **19** | | **0225** | + |
| | 0540 | **0905** | – | | | 0450 | **0835** | – |
| SU | 1220 | **1550** | + | | MO | 1145 | **1530** | + |
| DI | 1940 | **2210** | – | | LU | 1935 | **2155** | – |
| 5 | 0055 | **0345** | + | | **20** | 0025 | **0310** | + |
| | 0625 | **0955** | – | | | 0535 | **0915** | – |
| MO | 1310 | **1640** | + | | TU | 1230 | **1615** | + |
| LU | 2035 | **2300** | – | | MA | 2015 | **2235** | – |
| 6 | 0140 | **0435** | + | | **21** | 0105 | **0355** | + |
| | 0715 | **1045** | – | | | 0625 | **1005** | – |
| TU | 1400 | **1730** | + | | WE | 1320 | **1655** | + |
| MA | 2125 | **2350** | – | | ME | 2055 | **2315** | – |
| 7 | 0225 | **0520** | + | | **22** | 0145 | **0440** | + |
| | 0805 | **1135** | – | | | 0720 | **1055** | – |
| WE | 1450 | **1820** | + | | TH | 1410 | **1740** | + |
| ME | 2210 | | | | JE | 2135 | **2355** | – |
| 8 | | **0035** | – | | **23** | 0225 | **0530** | + |
| | 0310 | **0610** | + | | | 0815 | **1145** | – |
| TH | 0855 | **1220** | – | | FR | 1505 | **1830** | + |
| JE | 1535 | **1905** | + | | VE | 2215 | | |
| | 2300 | | | | | | | |
| 9 | | **0120** | – | | **24** | | **0040** | – |
| | 0400 | **0700** | + | | | 0310 | **0620** | + |
| FR | 0950 | **1310** | – | | SA | 0920 | **1240** | – |
| VE | 1620 | **1950** | + | | SA | 1555 | **1915** | + |
| | 2345 | | | | | 2255 | | |
| 10 | | **0210** | – | | **25** | | **0125** | – |
| | 0430 | **0750** | + | | | 0400 | **0720** | + |
| SA | 1045 | **1400** | – | | SU | 1025 | **1340** | – |
| SA | 1705 | **2035** | + | | DI | 1655 | **2010** | + |
| | | | | | | 2330 | | |
| 11 | 0025 | **0300** | – | | **26** | | **0215** | – |
| | 0545 | **0845** | + | | | 0455 | **0820** | + |
| SU | 1145 | **1450** | – | | MO | 1135 | **1440** | – |
| DI | 1750 | **2125** | + | | LU | 1750 | **2100** | + |
| 12 | 0110 | **0345** | – | | **27** | 0015 | **0305** | – |
| | 0635 | **0945** | + | | | 0555 | **0925** | + |
| MO | 1255 | **1550** | – | | TU | 1250 | **1550** | – |
| LU | 1835 | **2210** | + | | MA | 1850 | **2155** | + |
| 13 | 0145 | **0435** | – | | **28** | 0100 | **0400** | – |
| | 0725 | **1045** | + | | | 0700 | **1030** | + |
| TU | 1410 | **1650** | – | | WE | 1410 | **1655** | – |
| MA | 1925 | **2255** | + | | ME | 1955 | **2250** | + |
| 14 | 0220 | **0515** | – | | **29** | 0145 | **0500** | – |
| | 0810 | **1140** | + | | | 0805 | **1140** | + |
| WE | 1520 | **1750** | – | | TH | 1530 | **1805** | – |
| ME | 2020 | **2340** | + | | JE | 2055 | **2350** | + |
| 15 | 0245 | **0555** | – | | **30** | 0235 | **0600** | – |
| | 0855 | **1230** | + | | | 0910 | **1250** | + |
| TH | 1625 | **1845** | – | | FR | 1640 | **1915** | – |
| JE | 2115 | | | | VE | 2155 | | |

RATES UNKNOWN + DIRECTION 040 TRUE/VRAIE – DIRECTION 220 TRUE/VRAIE VITESSE INCONNUE

# GREAT BRAS D'OR (AST/HAE)

## CURRENT TABLES

1989

### JULY-JUILLET

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | | 0050 | + | 16 | | 0010 | + |
| | 0330 | 0700 | – | | 0235 | 0625 | – |
| SA | 1015 | 1350 | + | SU | 0940 | 1335 | + |
| SA | 1745 | 2015 | – | DI | 1755 | 2005 | – |
| | 2250 | | | | 2225 | | |
| 2 | | 0145 | + | 17 | | 0110 | + |
| | 0425 | 0800 | – | | 0330 | 0720 | – |
| SU | 1115 | 1450 | + | MO | 1035 | 1425 | + |
| DI | 1845 | 2110 | – | LU | 1840 | 2050 | – |
| | 2345 | | | | 2315 | | |
| 3 | | 0240 | + | 18 | | 0200 | + |
| | 0520 | 0855 | – | | 0425 | 0815 | – |
| MO | 1210 | 1545 | + | TU | 1130 | 1510 | + |
| LU | 1935 | 2200 | – | MA | 1915 | 2130 | – |
| 4 | 0035 | 0330 | + | 19 | 0000 | 0250 | + |
| | 0615 | 0945 | – | | 0525 | 0905 | – |
| TU | 1300 | 1630 | + | WE | 1220 | 1555 | + |
| MA | 2025 | 2245 | – | ME | 1955 | 2210 | – |
| 5 | 0120 | 0420 | + | 20 | 0040 | 0340 | + |
| | 0705 | 1035 | – | | 0625 | 0955 | – |
| WE | 1350 | 1715 | + | TH | 1315 | 1640 | + |
| ME | 2105 | 2330 | – | JE | 2025 | 2250 | – |
| 6 | 0205 | 0510 | + | 21 | 0120 | 0430 | + |
| | 0755 | 1120 | – | | 0720 | 1050 | – |
| TH | 1430 | 1800 | + | FR | 1405 | 1725 | + |
| JE | 2145 | | | VE | 2100 | 2330 | – |
| 7 | | 0015 | – | 22 | 0205 | 0520 | + |
| | 0250 | 0555 | + | | 0820 | 1140 | – |
| FR | 0845 | 1205 | – | SA | 1455 | 1810 | + |
| VE | 1510 | 1840 | + | SA | 2135 | | |
| | 2220 | | | | | | |
| 8 | | 0050 | – | 23 | | 0010 | – |
| | 0335 | 0640 | + | | 0250 | 0610 | + |
| SA | 0935 | 1245 | – | SU | 0920 | 1230 | – |
| SA | 1550 | 1915 | + | DI | 1545 | 1850 | + |
| | 2255 | | | | 2210 | | |
| 9 | | 0130 | – | 24 | | 0055 | – |
| | 0415 | 0725 | + | | 0340 | 0705 | + |
| SU | 1025 | 1325 | – | MO | 1025 | 1325 | – |
| DI | 1625 | 1950 | + | LU | 1635 | 1940 | + |
| | 2325 | | | | 2245 | | |
| 10 | | 0210 | – | 25 | | 0140 | – |
| | 0455 | 0805 | + | | 0435 | 0800 | + |
| MO | 1120 | 1410 | – | TU | 1130 | 1425 | – |
| LU | 1700 | 2025 | + | MA | 1725 | 2025 | + |
| | 2355 | | | | 2325 | | |
| 11 | | 0245 | – | 26 | | 0230 | – |
| | 0540 | 0855 | + | | 0530 | 0905 | + |
| TU | 1220 | 1500 | – | WE | 1245 | 1525 | – |
| MA | 1735 | 2105 | + | ME | 1820 | 2120 | + |
| 12 | 0025 | 0320 | – | 27 | 0010 | 0330 | – |
| | 0620 | 0945 | + | | 0635 | 1010 | + |
| WE | 1330 | 1550 | – | TH | 1400 | 1635 | – |
| ME | 1820 | 2140 | + | JE | 1915 | 2215 | + |
| 13 | 0050 | 0400 | – | 28 | 0105 | 0430 | – |
| | 0705 | 1045 | + | | 0745 | 1125 | + |
| TH | 1445 | 1655 | – | FR | 1520 | 1745 | – |
| JE | 1915 | 2225 | + | VE | 2020 | 2320 | + |
| 14 | 0120 | 0445 | – | 29 | 0205 | 0540 | – |
| | 0755 | 1140 | + | | 0855 | 1235 | + |
| FR | 1600 | 1805 | – | SA | 1640 | 1855 | – |
| VE | 2015 | 2315 | + | SA | 2125 | | |
| 15 | 0155 | 0535 | – | 30 | | 0025 | + |
| | 0845 | 1240 | + | | 0305 | 0645 | – |
| SA | 1705 | 1910 | – | SU | 1005 | 1340 | + |
| SA | 2125 | | | DI | 1745 | 2000 | – |
| | | | | | 2230 | | |
| | | | | 31 | | 0130 | + |
| | | | | | 0410 | 0750 | – |
| | | | | MO | 1105 | 1440 | + |
| | | | | LU | 1835 | 2055 | – |
| | | | | | 2325 | | |

### AUGUST-AOUT

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | | 0230 | + | 16 | | 0145 | + |
| | 0510 | 0845 | – | | 0420 | 0800 | – |
| TU | 1200 | 1530 | + | WE | 1120 | 1450 | + |
| MA | 1920 | 2145 | – | ME | 1845 | 2105 | – |
| | | | | | 2330 | | |
| 2 | 0015 | 0320 | + | 17 | | 0235 | + |
| | 0610 | 0935 | – | | 0525 | 0855 | – |
| WE | 1250 | 1615 | + | TH | 1215 | 1535 | + |
| ME | 2000 | 2230 | – | JE | 1915 | 2145 | – |
| 3 | 0105 | 0410 | + | 18 | 0015 | 0330 | + |
| | 0700 | 1020 | – | | 0625 | 0950 | – |
| TH | 1330 | 1655 | + | FR | 1305 | 1620 | + |
| JE | 2035 | 2305 | – | VE | 1950 | 2220 | – |
| 4 | 0145 | 0450 | + | 19 | 0055 | 0415 | + |
| | 0750 | 1105 | – | | 0725 | 1040 | – |
| FR | 1410 | 1735 | + | SA | 1355 | 1700 | + |
| VE | 2105 | 2345 | – | SA | 2020 | 2300 | – |
| 5 | 0225 | 0530 | + | 20 | 0140 | 0505 | + |
| | 0835 | 1140 | – | | 0820 | 1130 | – |
| SA | 1445 | 1805 | + | SU | 1440 | 1745 | + |
| SA | 2135 | | | DI | 2050 | 2340 | – |
| 6 | | 0015 | – | 21 | 0230 | 0555 | + |
| | 0300 | 0610 | + | | 0920 | 1220 | – |
| SU | 0915 | 1220 | – | MO | 1525 | 1825 | + |
| DI | 1515 | 1835 | + | LU | 2125 | | |
| | 2200 | | | | | | |
| 7 | | 0045 | – | 22 | | 0025 | – |
| | 0335 | 0645 | + | | 0320 | 0645 | + |
| MO | 1000 | 1255 | – | TU | 1020 | 1310 | – |
| LU | 1545 | 1905 | + | MA | 1610 | 1910 | + |
| | 2225 | | | | 2205 | | |
| 8 | | 0115 | – | 23 | | 0110 | – |
| | 0405 | 0725 | + | | 0415 | 0745 | + |
| TU | 1050 | 1330 | – | WE | 1120 | 1405 | – |
| MA | 1620 | 1935 | + | ME | 1655 | 1955 | + |
| | 2245 | | | | 2245 | | |
| 9 | | 0145 | – | 24 | | 0205 | – |
| | 0440 | 0805 | + | | 0510 | 0845 | + |
| WE | 1145 | 1415 | – | TH | 1235 | 1505 | – |
| ME | 1650 | 2000 | + | JE | 1745 | 2045 | + |
| | 2305 | | | | 2335 | | |
| 10 | | 0215 | – | 25 | | 0300 | – |
| | 0520 | 0855 | + | | 0615 | 0950 | + |
| TH | 1250 | 1505 | – | FR | 1350 | 1610 | – |
| JE | 1730 | 2035 | + | VE | 1845 | 2145 | + |
| | 2330 | | | | | | |
| 11 | | 0255 | – | 26 | 0035 | 0410 | – |
| | 0605 | 0950 | + | | 0725 | 1105 | + |
| FR | 1410 | 1610 | – | SA | 1515 | 1725 | – |
| VE | 1820 | 2120 | + | SA | 1950 | 2255 | + |
| 12 | 0005 | 0345 | – | 27 | 0140 | 0520 | – |
| | 0705 | 1055 | + | | 0840 | 1220 | + |
| SA | 1535 | 1725 | – | SU | 1625 | 1840 | – |
| SA | 1925 | 2225 | + | DI | 2100 | | |
| 13 | 0050 | 0445 | – | 28 | | 0010 | + |
| | 0805 | 1205 | + | | 0255 | 0635 | – |
| SU | 1640 | 1835 | – | MO | 0950 | 1325 | + |
| DI | 2045 | 2335 | + | LU | 1725 | 1945 | – |
| | | | | | 2210 | | |
| 14 | 0200 | 0555 | – | 29 | | 0120 | + |
| | 0915 | 1305 | + | | 0405 | 0735 | – |
| MO | 1730 | 1935 | – | TU | 1050 | 1425 | + |
| LU | 2150 | | | MA | 1815 | 2035 | – |
| | | | | | 2310 | | |
| 15 | | 0040 | + | 30 | | 0215 | + |
| | 0310 | 0700 | – | | 0510 | 0830 | – |
| TU | 1020 | 1400 | + | WE | 1145 | 1510 | + |
| MA | 1810 | 2020 | – | ME | 1850 | 2120 | – |
| | 2245 | | | | 2355 | | |
| | | | | 31 | | 0305 | + |
| | | | | | 0605 | 0920 | – |
| | | | | TH | 1230 | 1550 | + |
| | | | | JE | 1925 | 2200 | – |

### SEPTEMBER-SEPTEMBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit./n |
| 1 | 0040 | 0350 | + | 16 | | 0315 | + |
| | 0655 | 1005 | – | | 0630 | 0940 | – |
| FR | 1310 | 1625 | + | SA | 1250 | 1555 | + |
| VE | 1955 | 2235 | – | SA | 1905 | 2150 | – |
| 2 | 0115 | 0430 | + | 17 | 0035 | 0405 | + |
| | 0740 | 1040 | – | | 0725 | 1025 | – |
| SA | 1345 | 1700 | + | SU | 1335 | 1635 | + |
| SA | 2020 | 2305 | – | DI | 1935 | 2230 | – |
| 3 | 0150 | 0505 | + | 18 | 0120 | 0450 | + |
| | 0820 | 1115 | – | | 0820 | 1115 | – |
| SU | 1415 | 1725 | + | MO | 1420 | 1715 | + |
| DI | 2040 | 2330 | – | LU | 2010 | 2315 | – |
| 4 | 0220 | 0540 | + | 19 | 0210 | 0540 | + |
| | 0900 | 1150 | – | | 0915 | 1205 | – |
| MO | 1445 | 1750 | + | TU | 1505 | 1755 | + |
| LU | 2100 | 2355 | – | MA | 2045 | | |
| 5 | 0250 | 0610 | + | 20 | | 0000 | – |
| | 0940 | 1225 | – | | 0300 | 0630 | + |
| TU | 1515 | 1820 | + | WE | 1010 | 1255 | – |
| MA | 2120 | | | ME | 1545 | 1840 | + |
| | | | | | 2130 | | |
| 6 | | 0020 | – | 21 | | 0050 | – |
| | 0320 | 0645 | + | | 0355 | 0725 | + |
| WE | 1025 | 1300 | – | TH | 1115 | 1345 | – |
| ME | 1540 | 1845 | + | JE | 1630 | 1925 | + |
| | 2140 | | | | 2215 | | |
| 7 | | 0050 | – | 22 | | 0140 | – |
| | 0350 | 0725 | + | | 0455 | 0825 | + |
| TH | 1120 | 1340 | – | FR | 1225 | 1445 | – |
| JE | 1615 | 1915 | + | VE | 1720 | 2020 | + |
| | 2200 | | | | 2310 | | |
| 8 | | 0125 | – | 23 | | 0240 | – |
| | 0435 | 0815 | + | | 0600 | 0935 | + |
| FR | 1225 | 1435 | – | SA | 1340 | 1555 | – |
| VE | 1655 | 1950 | + | SA | 1820 | 2125 | + |
| | 2230 | | | | | | |
| 9 | | 0210 | – | 24 | 0015 | 0350 | – |
| | 0525 | 0910 | + | | 0710 | 1045 | + |
| SA | 1340 | 1535 | – | SU | 1455 | 1705 | – |
| SA | 1745 | 2040 | + | DI | 1930 | 2240 | + |
| | 2315 | | | | | | |
| 10 | | 0305 | – | 25 | 0130 | 0505 | – |
| | 0630 | 1020 | + | | 0820 | 1200 | + |
| SU | 1500 | 1650 | – | MO | 1600 | 1820 | – |
| DI | 1850 | 2155 | + | LU | 2045 | 2355 | + |
| 11 | 0025 | 0420 | – | 26 | 0250 | 0620 | – |
| | 0740 | 1135 | + | | 0930 | 1305 | + |
| MO | 1605 | 1800 | – | TU | 1655 | 1920 | – |
| LU | 2010 | 2310 | + | MA | 2150 | | |
| 12 | 0145 | 0535 | – | 27 | | 0105 | + |
| | 0855 | 1240 | + | | 0405 | 0720 | – |
| TU | 1650 | 1900 | – | WE | 1030 | 1355 | + |
| MA | 2115 | | | ME | 1735 | 2010 | – |
| | | | | | 2245 | | |
| 13 | | 0025 | + | 28 | | 0200 | + |
| | 0310 | 0650 | – | | 0505 | 0815 | – |
| WE | 1005 | 1335 | + | TH | 1120 | 1440 | + |
| ME | 1725 | 1945 | – | JE | 1810 | 2050 | – |
| | 2210 | | | | 2330 | | |
| 14 | | 0130 | + | 29 | | 0245 | + |
| | 0425 | 0750 | – | | 0555 | 0900 | – |
| TH | 1105 | 1425 | + | FR | 1200 | 1515 | + |
| JE | 1800 | 2030 | – | VE | 1840 | 2125 | – |
| | 2300 | | | | | | |
| 15 | | 0225 | + | 30 | 0010 | 0330 | + |
| | 0530 | 0845 | – | | 0645 | 0940 | – |
| FR | 1200 | 1510 | + | SA | 1240 | 1550 | + |
| VE | 1830 | 2110 | – | SA | 1905 | 2155 | – |
| | 2350 | | | | | | |

RATES UNKNOWN + DIRECTION 040 TRUE/VRAIE – DIRECTION 220 TRUE/VRAIE VITESSE INCONNUE

## TABLE DES COURANTS

# GREAT BRAS D'OR (HNA 2-4)

1989

### OCTOBER-OCTOBRE

| Turns | | Maximum | | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit. n |
| 1 | 0040 | **0405** | | + | **16** | 0015 | **0350** | + |
| | 0725 | **1015** | | − | | 0720 | **1015** | − |
| SU | 1310 | **1615** | | + | MO | 1315 | **1605** | + |
| DI | 1925 | **2220** | | − | LU | 1855 | **2205** | − |
| 2 | 0110 | **0435** | | + | **17** | 0105 | **0440** | + |
| | 0805 | **1050** | | − | | 0815 | **1100** | − |
| MO | 1340 | **1645** | | + | TU | 1400 | **1650** | + |
| LU | 1940 | **2245** | | − | MA | 1935 | **2250** | − |
| 3 | 0140 | **0510** | | + | **18** | 0155 | **0530** | + |
| | 0845 | **1125** | | − | | 0910 | **1150** | − |
| TU | 1410 | **1710** | | + | WE | 1440 | **1730** | + |
| MA | 2000 | **2310** | | − | ME | 2015 | **2340** | − |
| 4 | 0205 | **0540** | | + | **19** | 0250 | **0620** | + |
| | 0925 | **1200** | | − | | 1005 | **1240** | − |
| WE | 1440 | **1735** | | + | TH | 1520 | **1815** | + |
| ME | 2020 | **2335** | | − | JE | 2100 | | |
| 5 | 0240 | **0615** | | + | **20** | | **0030** | − |
| | 1010 | **1235** | | − | | 0340 | **0715** | + |
| TH | 1515 | **1805** | | + | FR | 1105 | **1330** | − |
| JE | 2040 | | | | VE | 1610 | **1905** | + |
| | | | | | | 2155 | | |
| 6 | | **0010** | | − | **21** | | **0120** | − |
| | 0320 | **0700** | | + | | 0440 | **0810** | + |
| FR | 1105 | **1320** | | − | SA | 1210 | **1430** | − |
| VE | 1550 | **1840** | | + | SA | 1700 | **2005** | + |
| | 2115 | | | | | 2255 | | |
| 7 | | **0050** | | − | **22** | | **0225** | − |
| | 0405 | **0750** | | + | | 0540 | **0915** | + |
| SA | 1205 | **1410** | | − | SU | 1315 | **1535** | − |
| SA | 1630 | **1925** | | + | DI | 1800 | **2110** | + |
| | 2200 | | | | | | | |
| 8 | | **0140** | | − | **23** | 0005 | **0330** | − |
| | 0500 | **0845** | | + | | 0645 | **1020** | + |
| SU | 1310 | **1510** | | − | MO | 1420 | **1640** | − |
| DI | 1725 | **2025** | | + | LU | 1915 | **2225** | + |
| | 2300 | | | | | | | |
| 9 | | **0245** | | − | **24** | 0120 | **0445** | − |
| | 0605 | **0950** | | + | | 0755 | **1125** | + |
| MO | 1415 | **1615** | | − | TU | 1515 | **1745** | − |
| LU | 1830 | **2135** | | + | MA | 2025 | **2340** | + |
| 10 | 0020 | **0400** | | − | **25** | 0240 | **0555** | − |
| | 0720 | **1100** | | + | | 0855 | **1225** | + |
| TU | 1510 | **1720** | | − | WE | 1605 | **1845** | − |
| MA | 1940 | **2255** | | + | ME | 2125 | | |
| 11 | 0150 | **0520** | | − | **26** | | **0045** | + |
| | 0835 | **1205** | | + | | 0355 | **0655** | − |
| WE | 1550 | **1815** | | − | TH | 0950 | **1315** | + |
| ME | 2045 | | | | JE | 1640 | **1930** | − |
| | | | | | | 2215 | | |
| 12 | | **0010** | | + | **27** | | **0135** | + |
| | 0315 | **0635** | | − | | 0455 | **0750** | − |
| TH | 0945 | **1305** | | + | FR | 1040 | **1400** | + |
| JE | 1630 | **1905** | | − | VE | 1715 | **2005** | − |
| | 2140 | | | | | 2255 | | |
| 13 | | **0110** | | + | **28** | | **0220** | + |
| | 0425 | **0735** | | − | | 0545 | **0835** | − |
| FR | 1045 | **1355** | | + | SA | 1125 | **1435** | + |
| VE | 1705 | **1955** | | − | SA | 1740 | **2040** | − |
| | 2235 | | | | | 2330 | | |
| 14 | | **0205** | | + | **29** | | **0300** | + |
| | 0530 | **0835** | | − | | 0630 | **0915** | − |
| SA | 1140 | **1440** | | + | SU | 1205 | **1505** | + |
| SA | 1740 | **2040** | | − | DI | 1805 | **2110** | − |
| | 2325 | | | | | | | |
| 15 | | **0300** | | + | **30** | 0000 | **0335** | + |
| | 0625 | **0925** | | − | | 0710 | **0950** | − |
| SU | 1230 | **1525** | | + | MO | 1240 | **1535** | + |
| DI | 1815 | **2120** | | − | LU | 1825 | **2135** | − |
| | | | | | **31** | 0030 | **0405** | + |
| | | | | | | 0750 | **1025** | − |
| | | | | | TU | 1310 | **1600** | + |
| | | | | | MA | 1845 | **2200** | − |

### NOVEMBER-NOVEMBRE

| Turns | | Maximum | | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit. n |
| 1 | 0100 | **0440** | | + | **16** | 0145 | **0520** | + |
| | 0830 | **1100** | | − | | 0905 | **1135** | − |
| WE | 1345 | **1630** | | + | TH | 1420 | **1710** | + |
| ME | 1905 | **2230** | | − | JE | 1955 | **2325** | − |
| 2 | 0135 | **0515** | | + | **17** | 0240 | **0610** | + |
| | 0915 | **1135** | | − | | 1000 | **1225** | − |
| TH | 1415 | **1700** | | + | FR | 1505 | **1800** | + |
| JE | 1930 | **2305** | | − | VE | 2045 | | |
| 3 | 0215 | **0555** | | + | **18** | | **0015** | − |
| | 1000 | **1215** | | − | | 0330 | **0700** | + |
| FR | 1450 | **1735** | | + | SA | 1055 | **1315** | − |
| VE | 2005 | **2345** | | − | SA | 1550 | **1855** | + |
| | | | | | | 2140 | | |
| 4 | 0300 | **0640** | | + | **19** | | **0110** | − |
| | 1045 | **1300** | | − | | 0425 | **0755** | + |
| SA | 1530 | **1820** | | + | SU | 1145 | **1410** | − |
| SA | 2055 | | | | DI | 1645 | **1950** | + |
| | | | | | | 2240 | | |
| 5 | | **0030** | | − | **20** | | **0205** | − |
| | 0350 | **0730** | | + | | 0520 | **0850** | + |
| SU | 1140 | **1350** | | − | MO | 1240 | **1505** | − |
| DI | 1615 | **1910** | | + | LU | 1745 | **2055** | + |
| | 2150 | | | | | 2350 | | |
| 6 | | **0130** | | − | **21** | | **0305** | − |
| | 0445 | **0825** | | + | | 0615 | **0945** | + |
| MO | 1230 | **1445** | | − | TU | 1330 | **1605** | − |
| LU | 1710 | **2015** | | + | MA | 1850 | **2200** | + |
| | 2300 | | | | | | | |
| 7 | | **0235** | | − | **22** | 0105 | **0410** | − |
| | 0550 | **0925** | | + | | 0710 | **1040** | + |
| TU | 1320 | **1540** | | − | WE | 1420 | **1705** | − |
| MA | 1810 | **2125** | | + | ME | 1950 | **2310** | + |
| 8 | 0025 | **0350** | | − | **23** | 0225 | **0515** | − |
| | 0705 | **1030** | | + | | 0805 | **1135** | + |
| WE | 1410 | **1640** | | − | TH | 1505 | **1755** | − |
| ME | 1915 | **2240** | | + | JE | 2045 | | |
| 9 | 0150 | **0505** | | − | **24** | | **0010** | + |
| | 0815 | **1130** | | + | | 0335 | **0620** | − |
| TH | 1455 | **1735** | | − | FR | 0900 | **1225** | + |
| JE | 2015 | **2345** | | + | VE | 1540 | **1840** | − |
| | | | | | | 2135 | | |
| 10 | 0310 | **0615** | | − | **25** | | **0105** | + |
| | 0920 | **1225** | | + | | 0440 | **0715** | − |
| FR | 1535 | **1830** | | − | SA | 0955 | **1305** | + |
| VE | 2115 | | | | SA | 1610 | **1915** | − |
| | | | | | | 2215 | | |
| 11 | | **0050** | | + | **26** | | **0145** | + |
| | 0420 | **0720** | | − | | 0530 | **0800** | − |
| SA | 1025 | **1320** | | + | SU | 1040 | **1345** | + |
| SA | 1615 | **1920** | | − | DI | 1635 | **1950** | − |
| | 2215 | | | | | 2250 | | |
| 12 | | **0150** | | + | **27** | | **0230** | + |
| | 0525 | **0815** | | − | | 0620 | **0845** | − |
| SU | 1115 | **1410** | | + | MO | 1125 | **1420** | + |
| DI | 1655 | **2010** | | − | LU | 1700 | **2020** | − |
| | 2310 | | | | | 2325 | | |
| 13 | | **0245** | | + | **28** | | **0305** | + |
| | 0625 | **0910** | | − | | 0700 | **0925** | − |
| MO | 1205 | **1455** | | + | TU | 1205 | **1450** | + |
| LU | 1740 | **2055** | | − | MA | 1725 | **2050** | − |
| | | | | | | 2355 | | |
| 14 | 0000 | **0335** | | + | **29** | | **0340** | + |
| | 0720 | **1000** | | − | | 0740 | **1005** | − |
| TU | 1250 | **1540** | | + | WE | 1240 | **1525** | + |
| MA | 1820 | **2145** | | − | ME | 1750 | **2125** | − |
| 15 | 0055 | **0425** | | + | **30** | 0035 | **0415** | + |
| | 0815 | **1050** | | − | | 0820 | **1040** | − |
| WE | 1335 | **1625** | | + | TH | 1315 | **1600** | + |
| ME | 1905 | **2235** | | − | JE | 1825 | **2205** | − |

### DECEMBER-DECEMBRE

| Turns | | Maximum | | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit. n |
| 1 | 0115 | **0455** | | + | **16** | 0230 | **0555** | + |
| | 0900 | **1120** | | − | | 0945 | **1210** | − |
| FR | 1350 | **1635** | | + | SA | 1445 | **1750** | + |
| VE | 1905 | **2245** | | − | SA | 2040 | | |
| 2 | 0200 | **0540** | | + | **17** | | **0005** | − |
| | 0940 | **1200** | | − | | 0315 | **0645** | + |
| SA | 1430 | **1720** | | + | SU | 1030 | **1255** | − |
| SA | 1955 | **2330** | | − | DI | 1535 | **1840** | + |
| | | | | | | 2135 | | |
| 3 | 0245 | **0625** | | + | **18** | | **0055** | − |
| | 1025 | **1240** | | − | | 0405 | **0730** | + |
| SU | 1510 | **1810** | | + | MO | 1115 | **1345** | − |
| DI | 2050 | | | | LU | 1625 | **1930** | + |
| | | | | | | 2230 | | |
| 4 | | **0025** | | − | **19** | | **0145** | − |
| | 0340 | **0710** | | + | | 0450 | **0815** | + |
| MO | 1105 | **1325** | | − | TU | 1155 | **1430** | − |
| LU | 1555 | **1900** | | + | MA | 1715 | **2025** | + |
| | 2155 | | | | | 2330 | | |
| 5 | | **0120** | | − | **20** | | **0235** | − |
| | 0435 | **0800** | | + | | 0535 | **0900** | + |
| TU | 1145 | **1415** | | − | WE | 1235 | **1520** | − |
| MA | 1645 | **2005** | | + | ME | 1810 | **2125** | + |
| | 2305 | | | | | | | |
| 6 | | **0225** | | − | **21** | 0040 | **0330** | − |
| | 0535 | **0855** | | + | | 0620 | **0945** | + |
| WE | 1230 | **1505** | | − | TH | 1315 | **1610** | − |
| ME | 1745 | **2110** | | + | JE | 1905 | **2225** | + |
| 7 | 0025 | **0335** | | − | **22** | 0155 | **0430** | − |
| | 0640 | **0955** | | + | | 0705 | **1030** | + |
| TH | 1310 | **1600** | | − | FR | 1350 | **1655** | − |
| JE | 1845 | **2215** | | + | VE | 1955 | **2325** | + |
| 8 | 0145 | **0440** | | − | **23** | 0310 | **0530** | − |
| | 0745 | **1050** | | + | | 0800 | **1120** | + |
| FR | 1355 | **1655** | | − | SA | 1425 | **1740** | − |
| VE | 1950 | **2325** | | + | SA | 2040 | | |
| 9 | 0300 | **0555** | | − | **24** | | **0020** | + |
| | 0850 | **1150** | | + | | 0420 | **0635** | − |
| SA | 1440 | **1755** | | − | SU | 0855 | **1205** | + |
| SA | 2055 | | | | DI | 1455 | **1820** | − |
| | | | | | | 2125 | | |
| 10 | | **0030** | | + | **25** | | **0110** | + |
| | 0415 | **0700** | | − | | 0520 | **0730** | − |
| SU | 0955 | **1245** | | + | MO | 0955 | **1250** | + |
| DI | 1530 | **1850** | | − | LU | 1525 | **1900** | − |
| | 2155 | | | | | 2205 | | |
| 11 | | **0135** | | + | **26** | | **0155** | + |
| | 0520 | **0800** | | − | | 0610 | **0820** | − |
| MO | 1050 | **1340** | | + | TU | 1045 | **1330** | + |
| LU | 1620 | **1945** | | − | MA | 1555 | **1935** | − |
| | 2255 | | | | | 2245 | | |
| 12 | | **0230** | | + | **27** | | **0235** | + |
| | 0620 | **0855** | | − | | 0650 | **0905** | − |
| TU | 1140 | **1430** | | + | WE | 1130 | **1410** | + |
| MA | 1710 | **2040** | | − | ME | 1635 | **2020** | − |
| | 2350 | | | | | 2330 | | |
| 13 | | **0325** | | + | **28** | | **0315** | + |
| | 0720 | **0945** | | − | | 0730 | **0945** | − |
| WE | 1225 | **1520** | | + | TH | 1215 | **1455** | + |
| ME | 1800 | **2130** | | − | JE | 1720 | **2100** | − |
| 14 | 0045 | **0420** | | + | **29** | 0015 | **0400** | + |
| | 0810 | **1035** | | − | | 0805 | **1020** | − |
| TH | 1315 | **1610** | | + | FR | 1250 | **1535** | + |
| JE | 1850 | **2225** | | − | VE | 1805 | **2145** | − |
| 15 | 0140 | **0510** | | + | **30** | 0100 | **0440** | + |
| | 0900 | **1125** | | − | | 0840 | **1055** | − |
| FR | 1400 | **1700** | | + | SA | 1325 | **1620** | + |
| VE | 1945 | **2315** | | − | SA | 1900 | **2235** | − |
| | | | | | **31** | 0150 | **0520** | + |
| | | | | | | 0915 | **1135** | − |
| | | | | | SU | 1405 | **1710** | + |
| | | | | | DI | 1955 | **2325** | − |

RATES UNKNOWN + DIRECTION 040 TRUE/VRAIE − DIRECTION 220 TRUE/VRAIE VITESSE INCONNUE

# Publications

***Canadian Tide and Current Tables*** - published in six volumes:

Volume 1
Atlantic Coast and Bay of Fundy

Volume 2
Gulf of St. Lawrence

Volume 3
St. Lawrence and Saguenay Rivers

Volume 4
Arctic and Hudson Bay

Volume 5
Juan de Fuca Strait and Strait of Georgia

Volume 6
Barkley Sound and Discovery Passage to Dixon Entrance.

Composite volumes are also available
Atlantic Coast - Volumes 1-4
Pacific Coast - Volumes 5 and 6

These books contain daily tide and current tables for selected Reference Ports and Current Stations, time and height differences for Secondary Ports and time differences and rates for Secondary Current Stations.

***Tides in Canadian Waters*** - an informative booklet containing an outline of the theory of tides along with descriptions and maps of the types which are found in Canadian waters.

***Water Levels*** - a yearly publication in up to three volumes containing tabulated daily mean water levels, times and heights of observed high and low water and other information pertaining to the present Canadian Hydrographic Service permanent gauges.

***Monthly and Yearly Mean Water Levels*** - a supplement to "Water Levels" issued regularly in up to two volumes containing tabulated monthly and yearly mean water levels for the full period of operation of both past and present Canadian Hydrographic Service permanent gauges. Also presented are ten-year and all-time averages of the monthly and yearly mean levels.

***Tide and Water Level Bench Marks*** - a publication, in seven volumes, containing a comprehensive list of bench marks which are referred to the datum of Canadian Hydrographic Service charts and which are located along the coasts and on the shores covered by these charts. The number or name of each bench mark is given, along with its height above chart datum, and a full description of its location. A sketch showing the position of the bench mark in relation to nearby landmarks is usually included.

# Publications

***Tables des marées et courants du Canada*** - publiées en six volumes:

Volume 1
Côte de l'Atlantique et baie de Fundy

Volume 2
Golfe du Saint-Laurent

Volume 3
Fleuve Saint-Laurent et rivière Saguenay

Volume 4
L'Arctique et la baie d'Hudson

Volume 5
Détroits de Juan de Fuca et de Georgia

Volume 6
Baie Barkley et passage Discovery jusqu'à l'entrée Dixon.

On peut se procurer ces volumes sous forme combinée
Côte Atlantique - Volumes 1-4
Côte Pacifique - Volumes 5 et 6

Ces publications renferment des tables quotidiennes des marées et des courants pour certains ports de référence et stations de référence des courants, les différences de temps et de hauteur pour les ports secondaires, ainsi que les différences de temps et les vitesses des courants pour les stations secondaires des courants.

***Les marées dans les eaux du Canada*** - brochure contenant un exposé sommaire de la théorie à propos des marées ainsi que des descriptions et des cartes des types de marées qui se produisent dans les eaux du Canada.

***Niveaux d'eau*** - publications annuelle pouvant comprendre trois volumes et donnant sous forme de tableaux les niveaux quotidiens moyens de l'eau, les heures et les hauteurs observées des pleines mers et des basses mers, ainsi que d'autres renseignements relatifs aux jauges permanentes actuellement utilisées par le Service hydrographique du Canada.

***Moyennes mensuelles et annuelles des niveaux d'eau*** - publication régulière servant de complément aux "Niveaux d'eau", pouvant comprendre deux volumes et donnant sous forme de tableaux les niveaux mensuels et annuels moyens de l'eau enregistrés pendant toute la période de fonctionnement des jauges permanentes, anciennes et actuelles, du Service hydrographique du Canada. On y donne également les moyennes des niveaux mensuels et annuels moyens de l'eau calculées pour des périodes de dix années, ainsi que pour toute la période de fonctionnement des jauges.

***Marées et niveaux de l'eau-repères de nivellement*** - publication en sept volumes donnant la liste détaillée des repères de nivellement dont l'élévation est donnée par rapport au zéro des cartes marines du Service hydrographique du Canada et qui se trouvent le long des côtes et des rivages représentés sur ces cartes. On y donne le numéro ou le nom de chaque repère, sa hauteur au-dessus du zéro des cartes et la description complète de sa posit. On inclut habituellement un croquis montrant la position du repère par rapport aux bornes situées à proximité.

Six of the volumes have the same names and geographical boundaries as the six volumes of the Canadian Tide and Current Tables. The title of the seventh volume is *Great Lakes and St. Lawrence River (non-tidal)* and its boundaries include the Canadian shores of the Great Lakes and the non-tidal part of the St. Lawrence River.

***Canadian Tidal Manual*** - an authoritative reference on the theory and procedures involved in gathering and using tide, current, and water level information during hydrographic surveys and other related activities.

***Tidal Current Atlases***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel B.C.
- Current Atlas/Atlas des courants, Juan de Fuca Strait to à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Current Charts, St. Lawrence Estuary

Copies of the foregoing publications may be obtained from the Hydrographic Chart Distribution Office of the Canadian Hydrographic Service at Ottawa, Ontario (Postal Code K1G 3H6), or Sidney, British Columbia (Postal code V8L 4B2).

## Search and Rescue Service

The Master of any vessel in distress and requiring assistance or anyone with knowledge of a vessel in distress should, in addition to using any appropriate means for soliciting the needed assistance, also communicate immediately with appropriate Rescue Coordination Centre (RCC) or Marine Rescue Sub-Centre (MRSC). Distress and safety communication messages may be sent without charge through any Coast Guard Radio Station or a Vessel Traffic Systems (VTS) Centre or relayed by any Canadian Coast Guard ship.

Distress reports may be telephoned directly to the appropriate RCC or MRSC without charge by calling the operator and stating "Marine Distress".

| | | Area Code | Telephone |
|---|---|---|---|
| Newfoundland and Labrador | MRSC St. John's, Nfld. | 709 | 772-5151 |
| Atlantic Region | RCC Halifax, N.S. | 902 | 426-4730 or 1-800-565-1582 |
| St. Lawrence River | MRSC Quebec, Que. | 418 | 648-3599 or 1-800-463-4393 |
| Great Lakes Area | RCC Trenton, Ont. | 613 | 392-2811 Local 3870 or 1-800-267-7270 |
| Arctic Region | RCC Edmonton, Alta. | 403 | 973-4402 |
| West Coast | RCC Victoria, B.C. | 604 | 380-2333 or 666-8087 or 1-800-742-1313 |

These Rescue Centres maintain an up-to-date record of the location of all government ships and will direct assistance to relieve the distress situation.

De ces sept volumes, six ont le même titre et les mêmes bornes géographiques que les six volumes des Tables des marées et courants du Canada. Le denier, "*Les Grands Lacs et le fleuve Saint-Laurent (eaux sans marée)*", se rapporte aux rives canadiennes des Grands Lacs et au cours du Saint-Laurent non soumis à l'action des marées.

***Manuel canadien des marées*** - Ouvrage de référence qui fait autorité en ce qui concerne la théorie et les procédures liées à la collecte et à l'utilisation des données sur les marées, les courants et les niveaux d'eau dans le domaine des levés hydrographiques et d'autres activités connexes.

***Atlas des courants de marée***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel, B.C.
- Current Atlas/Atlas des courants, Juan de Fuca Strait to à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Currents Charts, St Lawrence Estuary

Des exemplaires des publications mentionnées ci-dessus peuvent être obtenus après du Bureau de distribution des cartes hydrographiques du Service hydrographique du Canada, à Ottawa, Ontario (code postal K1G 3H6), ou à Sidney, Colombie-Britannique (code postal V8L 4B2).

## Service recherche et sauvetage

Tout capitaine de navire en détresse requérant de l'aide ou toute personne ayant connaissance d'un navire en détresse devrait, en plus d'utiliser toute méthode appropriée à l'obtention de l'assistance nécessaire, communiquer immédiatement avec le Centre de coordination du sauvetage (CCS) ou le Centre secondaire du sauvetage maritime (CSSM) le plus rapproché. Les messages de détresse et de communication sur la securité peuvent être envoyés, sans frais, par l'intermédiaire de toute station de radio de la Garde côtière ou d'un Centre de systèmes du trafic maritime (STM) ou encore relayés par tout navire de la Garde côtière canadienne.

On peut téléphoner directement et sans frais au CCS ou au CSSM le plus rapprochée en appelant le téléphoniste et en lui mentionnant "Détresse maritime".

| | | Indicatif régional | N° de téléphone |
|---|---|---|---|
| Terre-Neuve et Labrador | CSSM St. John's, T.-N. | 709 | 772-5151 |
| Région de l'Atlantique | CCS Halifax, N.-É. | 902 | 426-4730 ou 1-800-565-1582 |
| Fleuve Saint-Laurent | CSSM Québec, QC | 418 | 648-3599 ou 1-800-463-4393 |
| Zone des Grands Lacs | CCS Trenton, Ont. | 613 | 392-2811 Poste 3870 ou 1-800-267-7270 |
| Région de l'Arctique | CCS Edmonton, Alta. | 403 | 973-4402 |
| Côte Ouest | CCS Victoria, C.-B. | 604 | 380-2333 ou 666-8087 ou 1-800-742-1313 |

Ces centres de sauvetage sont sans cesse informés de la position de tous les navires du gouvernement canadien en mesure d'apporter du secours et de mettre fin à la situation de détresse.

## Canadian Supplementary Predictions

Hourly tide or current predictions can be supplied for all reference ports or current stations in this book. High and low or hourly tide predictions can also be supplied for most secondary ports in table 3 except for those which the height of "mean water level" is omitted. The hourly predictions are available with either English or French headings and in feet or metres, and knots, while the high and low predictions are available with bilingual headings and in feet or metres. The predictions are normally supplied in the form of computer listings, however selected computer compatible formats are also available. Standard fees are charged for the preparation of supplementary predictions. A schedule of these fees is available upon request.

While this service is intended principally for harbour or pilotage authorities, fleet operators, engineers, etc. who may have a specific requirement for custom predictions, it is available to anyone with a need for it. The right is reserved to modify the service, and to adjust the prediction fee, at any time, without further notice.

These predictions, which are prepared for the convenience of users, are supplements to, and not replacements for the Canadian Tide and Current Tables, which are the official tidal predictions for Canada.

Requests for this Service, specifying the index number and the name of the port or station, and the period and options selected, should be made to:

**Canadian Hydrographic Service**
**Department of Fisheries and Oceans**

**at:** **Dartmouth, N.S.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, B.C.**
**V8L 4B2**

**or to:** **Marine Environmental Data Service**
**Science**
**Department of Fisheries and Oceans**
**Ottawa, Ontario K1A 0E6**

## Prédictions supplémentaires canadiennes

Les prédictions horaires de la marée ou du courant peuvent être fournies pour tous les ports de référence ou toutes les stations de référence des courants mentionnées dans la présente publication. Les prédictions des marées basses et hautes aussi bien que les prédictions horaires peuvent également être données pour la plupart des ports secondaires énumérés à la table 3, exception faite de ceux dont le niveau moyen de l'eau n'est pas indiqué. Les prédictions horaires sont disponibles en anglais ou en français avec indications en pieds ou en mètres et en noeuds. Les prédictions des marées basses et hautes sont dans un version bilingue, avec indications en pieds ou en mètres. Les prédictions sont normalement fournies sous forme d'imprimés d'ordinateur, cependant certains autres formats générés par ordinateur sont aussi disponibles. Des droits seront perçus pour les prédictions supplémentaires. Un barème est disponible sur demande.

Bien que ce service soit principalement réservé aux autorités portuaires, aux administrations du pilotage, aux transporteurs maritimes, aux ingénieurs, etc., qui peuvent avoir un besoin particulier de faire des prédictions à des fins précises, il est accessible à toute personne intéressée. Nous nous réservons le droit de le modifier, à tout moment et sans préavis, ainsi que le montant du droit.

Préparées à l'intention des utilisateurs, ces prédictions complètent mais ne remplacent pas les Tables des marées et courants du Canada, qui constituent les prédictions officielles des marées au Canada.

Les demandes, avec indication du numéro d'index et du nom du port ou de la station, et de la période, et des options devraient être adressées au:

**Service hydrographique du Canada**
**Ministère des Pêches et des Océans**

**à** **Dartmouth, N.-É.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, C.-B.**
**V8L 4B2**

**ou au** **Service des données sur le milieu marin**
**Science**
**Ministère des Pêches et des Océans**
**Ottawa, Ontario K1A 0E6**

# CONVERSION TABLE

## FEET TO METRES

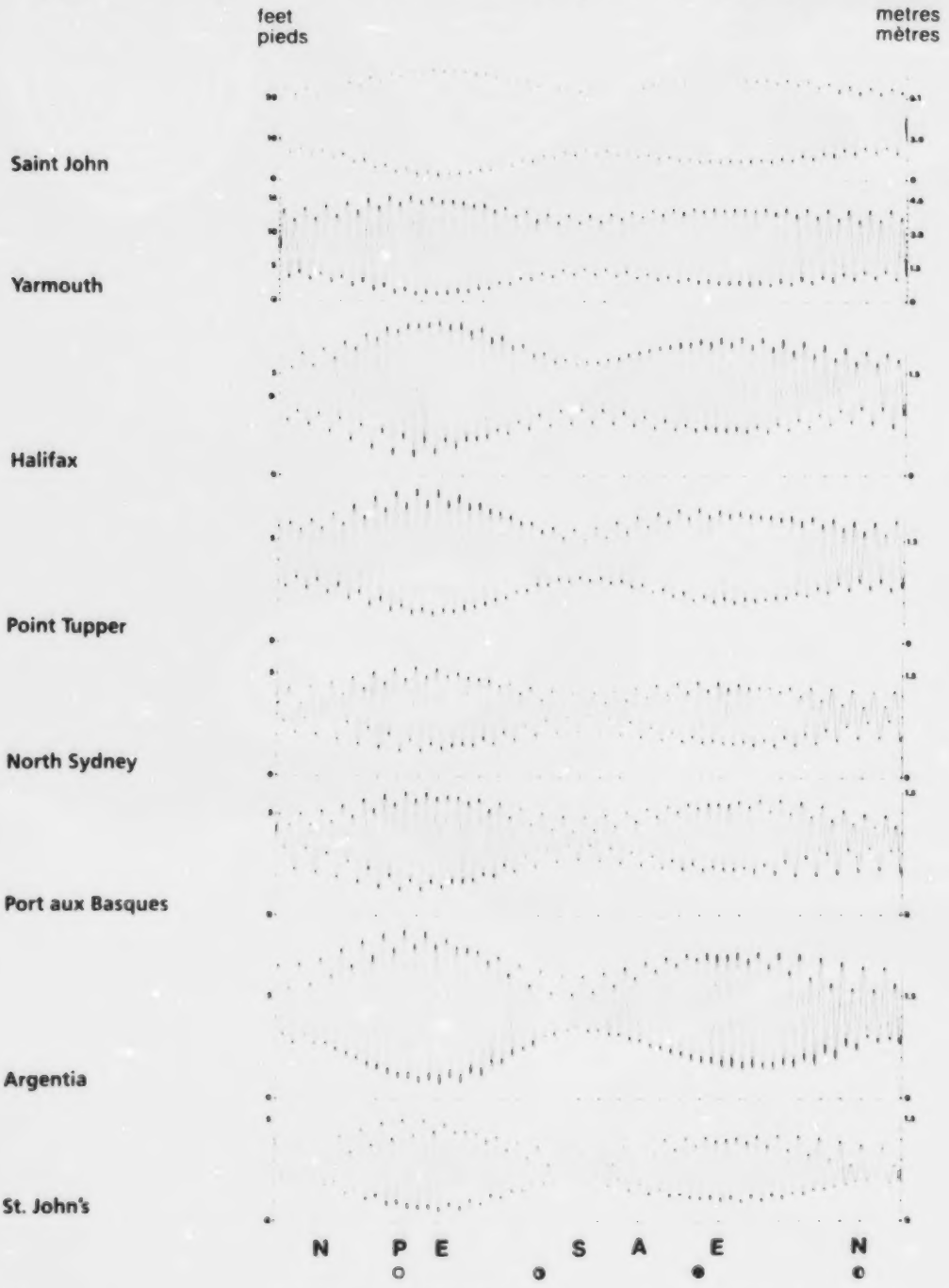
# TABLE DE CONVERSION

## PIEDS EN METRES

| Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.1 | 0.03 | 6.1 | 1 86 | 12.1 | 3 69 | 18.1 | 5 52 | 24.1 | 7 35 | 30.1 | 9 17 | 36.1 | 11 00 | 42.1 | 12 83 |
| 0.2 | 0 06 | 6.2 | 1 89 | 12.2 | 3 72 | 18.2 | 5 55 | 24.2 | 7 38 | 30.2 | 9 21 | 36.2 | 11 03 | 42.2 | 12 86 |
| 0.3 | 0.09 | 6.3 | 1 92 | 12.3 | 3 75 | 18.3 | 5 58 | 24.3 | 7 41 | 30.3 | 9 24 | 36.3 | 11 06 | 42.3 | 12 89 |
| 0.4 | 0.12 | 6.4 | 1 95 | 12.4 | 3 78 | 18.4 | 5 61 | 24.4 | 7 44 | 30.4 | 9 27 | 36.4 | 11 09 | 42.4 | 12 92 |
| 0.5 | 0 15 | 6.5 | 1 98 | 12.5 | 3 81 | 18.5 | 5 64 | 24.5 | 7 47 | 30.5 | 9 30 | 36.5 | 11 13 | 42.5 | 12 95 |
| 0.6 | 0 18 | 6.6 | 2 01 | 12.6 | 3 84 | 18.6 | 5 67 | 24.6 | 7 50 | 30.6 | 9 33 | 36.6 | 11 16 | 42.6 | 12 98 |
| 0.7 | 0 21 | 6.7 | 2 04 | 12.7 | 3 87 | 18.7 | 5 70 | 24.7 | 7 53 | 30.7 | 9 36 | 36.7 | 11 19 | 42.7 | 13 01 |
| 0.8 | 0 24 | 6.8 | 2 07 | 12.8 | 3 90 | 18.8 | 5 73 | 24.8 | 7 56 | 30.8 | 9 39 | 36.8 | 11 22 | 42.8 | 13 05 |
| 0.9 | 0 27 | 6.9 | 2 10 | 12.9 | 3 93 | 18.9 | 5 76 | 24.9 | 7 59 | 30.9 | 9 42 | 36.9 | 11 25 | 42.9 | 13 08 |
| 1.0 | 0 30 | 7.0 | 2 13 | 13.0 | 3 96 | 19.0 | 5 79 | 25.0 | 7 62 | 31.0 | 9 45 | 37.0 | 11 28 | 43.0 | 13 11 |
| 1.1 | 0 34 | 7.1 | 2 16 | 13.1 | 3 99 | 19.1 | 5 82 | 25.1 | 7 65 | 31.1 | 9 48 | 37.1 | 11 31 | 43.1 | 13 14 |
| 1.2 | 0 37 | 7.2 | 2 19 | 13.2 | 4 02 | 19.2 | 5 85 | 25.2 | 7 68 | 31.2 | 9 51 | 37.2 | 11 34 | 43.2 | 13 17 |
| 1.3 | 0 40 | 7.3 | 2 22 | 13.3 | 4 05 | 19.3 | 5 88 | 25.3 | 7 71 | 31.3 | 9 54 | 37.3 | 11 37 | 43.3 | 13 20 |
| 1.4 | 0 43 | 7.4 | 2 25 | 13.4 | 4 08 | 19.4 | 5 91 | 25.4 | 7 74 | 31.4 | 9 57 | 37.4 | 11 40 | 43.4 | 13 23 |
| 1.5 | 0 46 | 7.5 | 2 29 | 13.5 | 4 11 | 19.5 | 5 94 | 25.5 | 7 77 | 31.5 | 9 60 | 37.5 | 11 43 | 43.5 | 13 26 |
| 1.6 | 0 49 | 7.6 | 2 32 | 13.6 | 4 15 | 19.6 | 5 97 | 25.6 | 7 80 | 31.6 | 9 63 | 37 6 | 11 46 | 43.6 | 13 29 |
| 1.7 | 0.52 | 7.7 | 2 35 | 13.7 | 4 18 | 19.7 | 6 00 | 25.7 | 7 83 | 31.7 | 9 66 | 37.7 | 11 49 | 43.7 | 13 32 |
| 1.8 | 0.55 | 7.8 | 2 38 | 13.8 | 4 21 | 19.8 | 6 03 | 25.8 | 7 86 | 31.8 | 9 69 | 37.8 | 11 52 | 43.8 | 13 35 |
| 1.9 | 0 58 | 7.9 | 2 41 | 13.9 | 4 24 | 19.9 | 6 07 | 25.9 | 7 89 | 31.9 | 9 72 | 37.9 | 11 55 | 43.9 | 13 38 |
| 2.0 | 0.61 | 8.0 | 2.44 | 14.0 | 4 27 | 20.0 | 6 10 | 26.0 | 7 92 | 32.0 | 9 75 | 38.0 | 11 58 | 44.0 | 13 41 |
| 2.1 | 0.64 | 8.1 | 2 47 | 14.1 | 4 30 | 20.1 | 6 13 | 26.1 | 7 95 | 32.1 | 9 78 | 38.1 | 11 61 | 44.1 | 13 44 |
| 2.2 | 0.67 | 8.2 | 2 50 | 14.2 | 4 33 | 20.2 | 6 15 | 26.2 | 7 99 | 32.2 | 9 81 | 38.2 | 11 64 | 44.2 | 13 47 |
| 2.3 | 0.70 | 8.3 | 2 53 | 14.3 | 4 36 | 20.3 | 6 19 | 26.3 | 8 02 | 32.3 | 9 84 | 38.3 | 11 67 | 44.3 | 13 50 |
| 2.4 | 0.73 | 8.4 | 2.56 | 14.4 | 4 39 | 20.4 | 6 22 | 26.4 | 8 05 | 32.4 | 9 88 | 38.4 | 11 70 | 44.4 | 13 53 |
| 2.5 | 0.76 | 8.5 | 2.59 | 14.5 | 4 42 | 20.5 | 6 25 | 26.5 | 8 08 | 32.5 | 9.91 | 38.5 | 11 73 | 44.5 | 13 56 |
| 2.6 | 0.79 | 8.6 | 2.62 | 14.6 | 4 45 | 20.6 | 6 28 | 26.6 | 8 11 | 32.6 | 9 94 | 38.6 | 11 76 | 44.6 | 13 59 |
| 2.7 | 0 82 | 8.7 | 2.65 | 14.7 | 4.48 | 20.7 | 6 31 | 26.7 | 8 14 | 32.7 | 9 97 | 38.7 | 11 80 | 44.7 | 13 62 |
| 2.8 | 0.85 | 8.8 | 2.68 | 14.8 | 4 51 | 20.8 | 6 34 | 26.8 | 8 17 | 32.8 | 10 00 | 38.8 | 11 83 | 44.8 | 13 65 |
| 2.9 | 0 88 | 8.9 | 2.71 | 14.9 | 4 54 | 20.9 | 6 37 | 26.9 | 8 20 | 32.9 | 10 03 | 38.9 | 11 86 | 44.9 | 13 69 |
| 3.0 | 0.91 | 9.0 | 2.74 | 15.0 | 4 57 | 21.0 | 6 40 | 27.0 | 8 23 | 33.0 | 10 06 | 39.0 | 11 89 | 45.0 | 13 72 |
| 3.1 | 0.94 | 9.1 | 2 77 | 15.1 | 4 60 | 21.1 | 6 43 | 27.1 | 8 26 | 33.1 | 10 09 | 39.1 | 11 92 | 45.1 | 13 75 |
| 3.2 | 0.97 | 9.2 | 2.80 | 15.2 | 4 63 | 21.2 | 6 46 | 27.2 | 8 29 | 33.2 | 10 12 | 39.2 | 11 95 | 45.2 | 13 78 |
| 3.3 | 1.00 | 9.3 | 2.83 | 15.3 | 4 66 | 21.3 | 6 49 | 27.3 | 8 32 | 33.3 | 10 15 | 39.3 | 11 98 | 45.3 | 13 81 |
| 3.4 | 1.04 | 9.4 | 2.86 | 15.4 | 4 69 | 21.4 | 6 52 | 27.4 | 8 35 | 33.4 | 10 18 | 39.4 | 12 01 | 45.4 | 13 84 |
| 3.5 | 1.07 | 9.5 | 2 89 | 15.5 | 4.72 | 21.5 | 6 55 | 27.5 | 8 38 | 33.5 | 10 21 | 39.5 | 12 03 | 45.5 | 13 87 |
| 3.6 | 1.10 | 9.6 | 2.93 | 15.6 | 4 75 | 21.6 | 6 58 | 27.6 | 8 41 | 33.6 | 10 24 | 39.6 | 12 07 | 45.6 | 13 90 |
| 3.7 | 1.13 | 9.7 | 2 96 | 15.7 | 4 79 | 21.7 | 6 61 | 27.7 | 8 44 | 33.7 | 10 27 | 39.7 | 12 10 | 45.7 | 13 93 |
| 3.8 | 1.16 | 9.8 | 2 99 | 15.8 | 4.82 | 21.8 | 6 64 | 27.8 | 8 47 | 33.8 | 10 30 | 39.8 | 12 13 | 45.8 | 13 96 |
| 3.9 | 1.19 | 9.9 | 3 02 | 15.9 | 4.85 | 21.9 | 6 67 | 27.9 | 8 50 | 33.9 | 10 33 | 39.9 | 12 16 | 45.9 | 13 99 |
| 4.0 | 1.22 | 10.0 | 3 05 | 16.0 | 4 88 | 22.0 | 6 70 | 28.0 | 8 53 | 34.0 | 10 36 | 40.0 | 12 19 | 46.0 | 14 02 |
| 4.1 | 1.25 | 10.1 | 3.08 | 16.1 | 4 91 | 22.1 | 6 74 | 28.1 | 8 56 | 34.1 | 10 39 | 40.1 | 12 22 | 46.1 | 14 05 |
| 4.2 | 1.28 | 10.2 | 3 11 | 16.2 | 4 94 | 22.2 | 6 77 | 28.2 | 8 59 | 34.2 | 10 42 | 40.2 | 12 25 | 46.2 | 14 08 |
| 4.3 | 1.31 | 10.3 | 3 14 | 16.3 | 4 97 | 22.3 | 6 80 | 28.3 | 8 63 | 34.3 | 10 45 | 40.3 | 12 28 | 46.3 | 14 11 |
| 4.4 | 1.34 | 10.4 | 3 17 | 16.4 | 5 00 | 22.4 | 6 83 | 28.4 | 8 66 | 34.4 | 10 48 | 40.4 | 12 31 | 46.4 | 14 14 |
| 4.5 | 1.37 | 10.5 | 3.20 | 16.5 | 5.03 | 22.5 | 6.86 | 28.5 | 8 69 | 34.5 | 10 52 | 40.5 | 12 34 | 46.5 | 14 17 |
| 4.6 | 1.40 | 10.6 | 3.23 | 16.6 | 5 06 | 22.6 | 6 89 | 28.6 | 8 72 | 34.6 | 10 55 | 40.6 | 12 37 | 46.6 | 14 20 |
| 4.7 | 1.43 | 10.7 | 3.26 | 16.7 | 5 09 | 22.7 | 6 92 | 28.7 | 8 75 | 34.7 | 10 58 | 40.7 | 12 41 | 46.7 | 14 23 |
| 4.8 | 1.46 | 10.8 | 3.29 | 16.8 | 5 12 | 22.8 | 6.95 | 28.8 | 8 78 | 34.8 | 10 61 | 40.8 | 12 44 | 46.8 | 14 26 |
| 4.9 | 1.49 | 10.9 | 3.32 | 16.9 | 5.15 | 22.9 | 6 98 | 28.9 | 8.81 | 34.9 | 10 64 | 40.9 | 12 47 | 46.9 | 14 29 |
| 5.0 | 1.52 | 11.0 | 3.35 | 17.0 | 5 18 | 23.0 | 7 01 | 29.0 | 8 84 | 35.0 | 10 67 | 41.0 | 12 50 | 47.0 | 14 33 |
| 5.1 | 1.55 | 11.1 | 3 38 | 17.1 | 5 21 | 23.1 | 7 04 | 29.1 | 8 87 | 35.1 | 10 70 | 41.1 | 12 53 | 47.1 | 14 36 |
| 5.2 | 1.58 | 11.2 | 3.41 | 17.2 | 5 24 | 23.2 | 7 07 | 29.2 | 8 90 | 35.2 | 10 73 | 41.2 | 12 56 | 47.2 | 14 39 |
| 5.3 | 1.61 | 11.3 | 3.44 | 17.3 | 5 27 | 23.3 | 7 10 | 29.3 | 8 93 | 35.3 | 10 76 | 41.3 | 12 59 | 47.3 | 14 42 |
| 5.4 | 1.64 | 11.4 | 3.47 | 17.4 | 5 30 | 23.4 | 7 13 | 29.4 | 8 96 | 35.4 | 10 79 | 41.4 | 12 62 | 47.4 | 14 45 |
| 5.5 | 1.68 | 11.5 | 3.51 | 17.5 | 5 33 | 23.5 | 7 16 | 29.5 | 8 99 | 35.5 | 10 82 | 41.5 | 12 65 | 47.5 | 14 48 |
| 5.6 | 1.71 | 11.6 | 3.54 | 17.6 | 5 36 | 23.6 | 7 19 | 29.6 | 9 02 | 35.6 | 10 85 | 41.6 | 12 68 | 47.6 | 14 51 |
| 5.7 | 1.74 | 11.7 | 3.57 | 17.7 | 5 39 | 23.7 | 7 22 | 29.7 | 9 05 | 35.7 | 10 88 | 41.7 | 12 71 | 47.7 | 14 54 |
| 5.8 | 1.77 | 11.8 | 3 60 | 17.8 | 5 43 | 23.8 | 7 25 | 29.8 | 9 08 | 35.8 | 10 91 | 41.8 | 12 74 | 47.8 | 14 57 |
| 5.9 | 1.80 | 11.9 | 3 63 | 17.9 | 5 46 | 23.9 | 7 28 | 29.9 | 9 11 | 35.9 | 10 94 | 41.9 | 12 77 | 47.9 | 14 60 |
| 6.0 | 1.83 | 12.0 | 3.66 | 18.0 | 5.49 | 24.0 | 7 31 | 30.0 | 9 14 | 36.0 | 10 97 | 42.0 | 12 80 | 48.0 | 14 63 |

# Typical Tidal Curves

# Courbes Typiques des Marées






(See legend on opposite page)

(Voir la légende ci-contre)

**LEGEND**

● new moon
◐ first quarter
○ full moon
◑ last quarter
A – moon in apogee
P – moon in perigee
E – moon on equator
N – moon farthest north of equator
S – moon farthest south of equator

***LÉGENDE***

● nouvelle lune
◐ premier quartier
○ pleine lune
◑ dernier quartier
A – apogée
P – périgée
E – lune à l'équateur
N – position la plus au nord
S – position la plus au sud.

## METRIC CONVERSION IN CANADA

In accordance with the policy of the Federal Government, as outlined in its "White Paper on Metric Conversion in Canada," the Canadian Hydrographic Service has commenced issuing metric charts. During the initial transitional period when both existing charts in feet and fathoms and new charts in metric units are in regular use, the Canadian tide and current tables will contain tidal height predictions in both feet and metres. The "heights in feet" columns are shaded to distinguish them from the "heights in metres" columns. The secondary ports tables, calculation tables, samples, etc., will remain in feet.

## LA CONVERSION AU SYSTÈME MÉTRIQUE AU CANADA

Conformément à la politique du gouvernement fédéral énoncée dans son "Livre blanc sur la conversion au système métrique au Canada," le Service hydrographique du Canada a commencé à publier des cartes métriques. Pendant la période de transition où les deux types de cartes seront en usage régulier, c'est-à-dire les cartes existantes en pieds ou en brasses et les nouvelles cartes en unitée métriques, les tables de courants et des marées du Canada indiqueront les prévisions de la hauteur des marées à la fois en mètres et en pieds. Les colonnes indiquant les hauteurs en pieds seront ombrées pour les distinguer des colonnes indiquant les hauteurs en mètres. Les tables des ports secondaires, les tables de calcul, les exemples, etc. resteront en pieds.

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*Names in capital letters indicate reference ports for which daily predictions are given.

*Les noms en majuscules indiquent les ports de référence pour lesquels on donne des prédictions quotidiennes.

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**GRAND MANAN CHANNEL** —
**GREAT BRAS D'OR** —


*Names in capital letters indicate reference ports or current stations for which daily predictions are given.

*Les noms en majuscules indiquent les ports de référence ou stations de courant pour lesquels on donne des prédictions quotidiennes.

# 1989

| SUN | MON | TUE | WED | THU | FRI | SAT |
|---|---|---|---|---|---|---|
| | | | | | | |
| **January - Janvier** | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6S | ● |
| 8 | 9 | 10P | 11 | 12E | 13 | ◐ |
| 15 | 16 | 17 | 18N | 19 | 20 | ○ |
| 22 | 23 | 24 | 25 | 26AE | 27 | 28 |
| ◑ | 30 | 31 | | | | |
| **February - Février** | | | | | | |
| | | | 1 | 2S | 3 | 4 |
| 5 | ● | 7P | 8E | 9 | 10 | 11 |
| ◐ | 13 | 14 | 15N | 16 | 17 | 18 |
| 19 | ○ | 21 | 22E | 23A | 24 | 25 |
| 26 | 27 | ◑ | | | | |
| **March - Mars** | | | | | | |
| | | | 1S | 2 | 3 | 4 |
| 5 | 6 | ● | 8PE | 9 | 10 | 11 |
| 12 | 13 | ◐N | 15 | 16 | 17 | 18 |
| 19 | 20 | 21E | ○A | 23 | 24 | 25 |
| 26 | 27 | 28 | 29S | ◑ | 31 | |
| **April - Avril** | | | | | | |
| | | | | | | 1 |
| 2 | 3 | 4E | ●P | 6 | 7 | 8 |
| 9 | 10N | 11 | ◐ | 13 | 14 | 15 |
| 16 | 17E | 18A | 19 | ○ | 21 | 22 |
| 23 | 24 | 25S | 26 | 27 | ◑ | 29 |
| 30 | | | | | | |
| **May - Mai** | | | | | | |
| | 1E | 2 | 3P | 4 | ● | 6 |
| 7 | 8N | 9 | 10 | 11 | ◐ | 13 |
| 14 | 15E | 16A | 17 | 18 | 19 | ○ |
| 21 | 22S | 23 | 24 | 25 | 26 | ◑ |
| 28 | 29E | 30 | 31P | | | |
| **June - Juin** | | | | | | |
| | | | | 1 | 2 | ● |
| 4N | 5 | 6 | 7 | 8 | 9 | 10 |
| ◐E | 12A | 13 | 14 | 15 | 16 | 17 |
| 18S | ○ | 20 | 21 | 22 | 23 | 24 |
| 25E | ◑ | 27P | 28 | 29 | 30 | |

LEGEND
● new moon
◐ first quarter
○ full moon
◑ last quarter
A - moon in apogee
P - moon in perigee
E - moon on equator
N - moon farthest north of equator
S - moon farthest south of equator

| DIM | LUN | MAR | MER | JEU | VEN | SAM |
|---|---|---|---|---|---|---|
| | | | | | | |
| **July - Juillet** | | | | | | |
| | | | | | | 1N |
| ● | 3 | 4 | 5 | 6 | 7 | 8E |
| 9 | ◐A | 11 | 12 | 13 | 14 | 15 |
| 16S | 17 | ○ | 19 | 20 | 21 | 22E |
| 23P | 24 | ◑ | 26 | 27 | 28 | 29N |
| 30 | 31 | | | | | |
| **August - Août** | | | | | | |
| | | ● | 2 | 3 | 4 | 5E |
| 6 | 7A | 8 | ◐ | 10 | 11 | 12S |
| 13 | 14 | 15 | ○ | 17 | 18E | 19P |
| 20 | 21 | 22 | ◑ | 24 | 25N | 26 |
| 27 | 28 | 29 | ● | 31 | | |
| **September - Septembre** | | | | | | |
| | | | | | 1E | 2 |
| 3 | 4A | 5 | 6 | 7 | ◐S | 9 |
| 10 | 11 | 12 | 13 | 14 | ○E | 16P |
| 17 | 18 | 19 | 20 | ◑N | 22 | 23 |
| 24 | 25 | 26 | 27 | 28E | ● | 30 |
| **October - Octobre** | | | | | | |
| 1A | 2 | 3 | 4 | 5 | 6S | ◐ |
| 8 | 9 | 10 | 11 | 12E | 13 | ○P |
| 15 | 16 | 17 | 18N | 19 | 20 | ◑ |
| 22 | 23 | 24 | 25E | 26 | 27 | 28A |
| ● | 30 | 31 | | | | |
| **November - Novembre** | | | | | | |
| | | | 1 | 2S | 3 | 4 |
| 5 | ◐ | 7 | 8 | 9E | 10 | 11 |
| ○P | 13 | 14 | 15N | 16 | 17 | 18 |
| ◑ | 20 | 21 | 22E | 23 | 24A | 25 |
| 26 | 27 | ● | 29S | 30 | | |
| **December - Décembre** | | | | | | |
| | | | | | 1 | 2 |
| 3 | 4 | ◐ | 6E | 7 | 8 | 9 |
| 10P | 11 | ○N | 13 | 14 | 15 | 16 |
| 17 | 18 | ◑E | 20 | 21 | 22A | 23 |
| 24 | 25 | 26S | ● | 28 | 29 | 30 |
| 31 | | | | | | |

LEGENDE
● nouvelle lune
◐ premier quartier
○ plein lune
◑ dernier quartier
A - apogée
P - périgée
E - lune à l'équateur
N - position la plus au nord
S - position la plus au sud

# Canadian Tide and Current Tables

# 1989

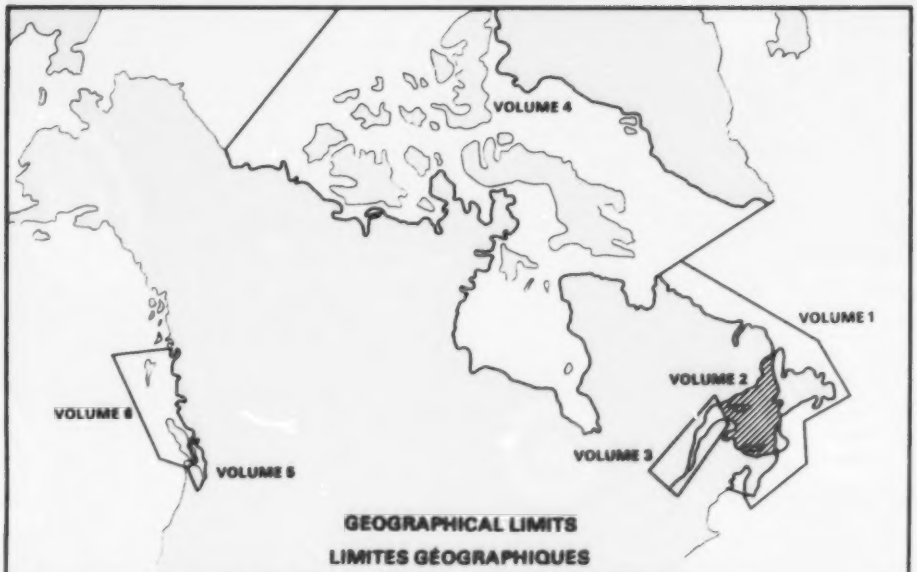
Volume 2
Gulf of St. Lawrence

# Tables des marées et courants du Canada

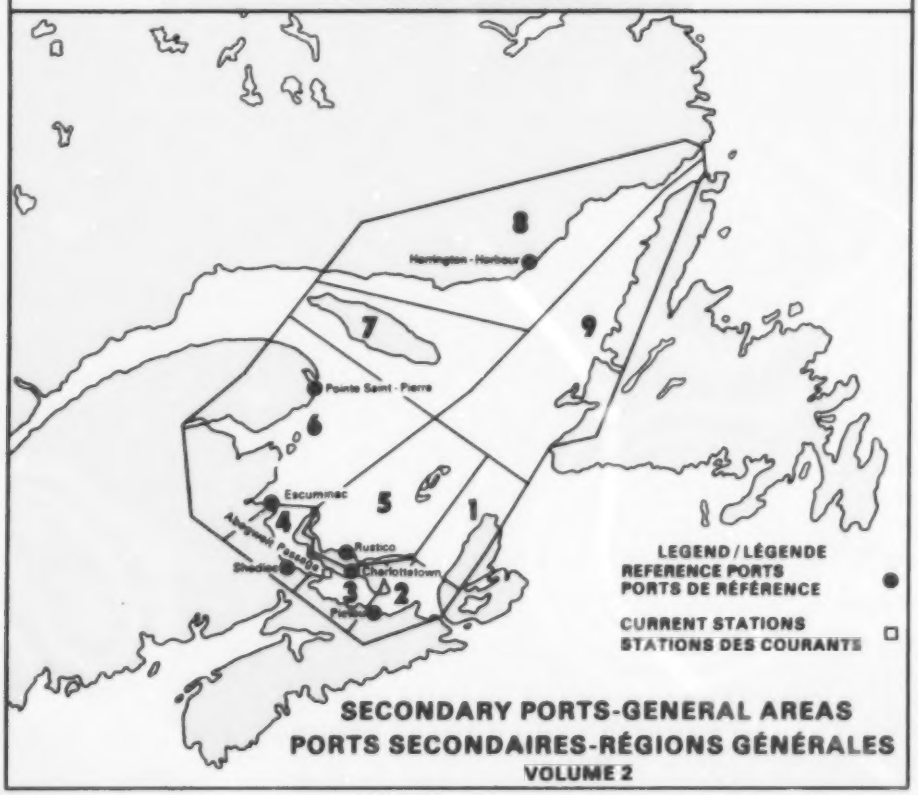
# 1989

Volume 2
Golfe du Saint-Laurent

Canada




**GEOGRAPHICAL LIMITS**
**LIMITES GÉOGRAPHIQUES**




**SECONDARY PORTS-GENERAL AREAS**
**PORTS SECONDAIRES-RÉGIONS GÉNÉRALES**
**VOLUME 2**

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# 1989

Volume 2
Gulf of St. Lawrence

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Resource Protection & Conservation
Benefits for Canadians

Department of Fisheries and Oceans
Ottawa, Canada

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These tables are published under the authority of the Canadian Hydrographic Service, through the Chief, Tides, Currents and Water Levels.

Les tables sont publiées avec l'autorisation du Service hydrographique du Canada par le chef, Marées, courants et niveaux de l'eau.

# Introduction

## PRACTICAL INFORMATION

### Tide Tables

Times and heights are predicted and tabulated as daily tables for all reference ports. The "heights in feet" columns are shaded to distinguish them from the "heights in metres" columns.

### Current Tables

The times and rates of maximum current velocity, or the time of slack water when the direction of the current turns, are predicted and tabulated as daily tables for all current stations. Fluctuations in the horizontal movement of water due to meteorological conditions may prolong the duration and increase the flow of the current in one direction and have the opposite effect when the direction is reversed. The current may, therefore, not turn exactly when predicted, but at these times the rate will be relatively weak.

Throughout these tables current directions are indicated by ( + ) when the tidal stream is setting toward an area of rising tide or ( − ) when setting toward an area of falling tide.

### Maps

The upper map on the inside front cover shows the boundaries and the numbers of all the volumes in the Canadian Tide and Current Table series.

The lower map denotes the general areas in which the secondary ports are grouped. These areas are numbered consecutively signifying the geographical sequence of reference and secondary ports throughout the volume. This map also indicates the locations of the reference ports and current stations.

### Areas and Localities

In Table 3, Secondary Ports Information and Tidal Differences, each general area title includes a descriptive name in addition to its consecutive number. This facilitates locating each area and all the data available.

Within these general areas, all secondary ports are arranged and listed by locality.

### Geographical Names and Co-ordinates

Throughout these tables the names given for reference and secondary ports are, as far as possible, those approved by the Canadian Permanent Committee on Geographical Names.

The geographical co-ordinates listed in Tables 1, 2 and 3 are those of the original tide gauge locations and should be used whenever their precise positions are required. The geographical names associated with those co-ordinates have been selected from the nearest prominent place or physical feature. Hence, the geographical co-ordinates and names may not relate exactly to each other.

### Instructions and Examples

Instructions and examples are given which show the method to be used to predict the times and heights at secondary ports, and to calculate intermediate times and heights at both reference and secondary ports. Fictitious information is used throughout these examples.

### Definitions

*Reference Ports or Reference Current Stations* are those for which predictions are published in the form of daily tables for either times and heights or times of turns and maximum current velocities and maximum rates.

*Secondary Ports or Secondary Current Stations* are those for which differences are published for either times and heights or times of turns.

*Differences* are the adjustments which are applied to the predictions at a reference port or reference current station to obtain predictions at a secondary port or secondary current station.

*Time Zones* of predictions for reference and secondary ports are usually in the standard time kept in that area. It is indicated in the heading of the daily prediction tables by the suffix (Z) after each name, accompanied by the initials and numbers of the zone, and by the figure in the time zone column of Tables 1 and 3. The ( + ) sign indicates that by adding to standard time the number of hours corresponding to the time zone, Greenwhich Mean Time is obtained.

The standard time zones represented by these initials and figures are as follows:

| | | |
|---|---|---|
| N.S.T. | Z + 3½ | Newfoundland Standard Time |
| A.S.T. | Z + 4 | Atlantic Standard Time |
| E.S.T. | Z + 5 | Eastern Standard Time |
| C.S.T. | Z + 6 | Central Standard Time |
| M.S.T. | Z + 7 | Mountain Standard Time |
| P.S.T. | Z + 8 | Pacific Standard Time |

To convert predictions into daylight time, add one hour.

*Datum* of predictions for both reference and secondary ports is, unless otherwise stated, the same as Chart Datum in that area. Chart Datum is, by international agreement, a plane below which the tide will seldom fall. The Canadian Hydrographic Service has adopted the plane of lowest normal tides as Chart Datum.

*Height of tide* is the vertical distance between the surface of the sea and Chart Datum. The total depth of water is found by adding the height of tide to the charted depth. For example, at a place where the chart shows 20 feet and the predicted high water height is 10 feet, then the actual depth over the seabed at high water will be 30 feet.

In the case of some ports which are not navigable at low water and where vessels rest on keel blocks, or mattresses, during low tide, the heights of the tide are measured from those keel blocks or mattresses.

*Mean tide range* is the difference between the heights of higher high water and lower low water at mean tides.

*Large tide range* is the difference between the heights of higher high water and lower low water at large tides.

*Mean water level* is the height above Chart Datum of the mean of all hourly observations used for the tidal analysis at that particular place.

### Tidal Data on Canadian Hydrographic Service Charts

Most charts published by the Canadian Hydrographic Service include datum and, if appropriate, tidal information. The tidal information panel contains, for specified places, the heights of higher high water and lower low water at mean and large tides. These heights are referred to Chart Datum. This information is intended as a guide to the approximate height of tide at these places. If more accurate predictions are required the tide tables should be consulted.

The elevation of mean water level is also given in the panel. This should not be confused with Canadian Geodetic Datum as the value of mean water level may change with time.

### Additional Information

These tables contain the latest information available prior to going to press. Additional information or amendments which become available before the 1st of November of the previous year will be published in Canadian *Notices to Mariners*, Weekly Edition No. 46. Any later amendments will be published in *Notices to Mariners*, as required.

### Revisions

To facilitate the revision and improve the accuracy or utility of these tables, mariners, harbour authorities, surveyors, engineers and all other users are invited to submit information relative to any of the following: misprints, appreciable variations between predicted and observed tide levels, extreme tide levels, improvements to the tables and details of privately operated automatic tide gauges.

*Note: The Canadian Hydrographic Service will supply, on request, information concerning the installation and operation of automatic tide gauges.*

All communications should be addressed to the Canadian Hydrographic Service, Ottawa, Ont., or to the regional offices in Dartmouth, N.S., Québec, QC, Burlington, Ont., or Sidney, B.C.

### Acknowledgements

These tables and predictions for Canadian waters have been prepared by the Marine Environmental Data Service, Marine Sciences and Information Directorate, Ocean Science and Surveys. Where appropriate, predictions for United States waters have been obtained from the United States Department of Commerce under an international reciprocal agreement.

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## THEORETICAL INFORMATION

### Types of Tide

*Semi-diurnal tide (SD)* — Two complete tidal oscillations daily, both high waters having similar heights as well as both low waters. The two high waters of the day follow the upper and lower transits of the moon by nearly the same interval.

*Mixed, mainly semi-diurnal tide (MSD)* — Two complete tidal oscillations daily with inequalities both in height and time reaching the greatest values when the declination of the moon has passed its maximum.

*Mixed, mainly diurnal tide (MD)* — Usually, and certainly when the moon has low declination, there are two complete tidal oscillations daily. The inequalities in the heights of successive high or low waters and the corresponding time intervals are very marked.

*Diurnal tide (D)* — One complete tidal oscillation daily.

### Accuracy of Predictions

*Reference Ports* — The accuracy of the predictions for reference ports depends on the quantity and quality of the tidal constants used to compute them. These in turn are directly related to the length of the period of observations used in the tidal analysis from which the constants were derived. Whenever the period of record permits, observations extending over at least one year are used.

*Secondary Ports* — The accuracy of the tidal differences for secondary ports also depends on the quality of the tidal constants used to compute them, as described for reference ports. In most cases, however, the period of observations does not extend over one month and may be less. Their quality is, therefore, affected by the amount the tide levels fluctuated from normal, during that period, on account of meteorological conditions.

In addition, their accuracy is very dependent on the similarity between the characteristics of the tide at the secondary and reference ports. The tides at no two places in the world are identical so that even when their characteristics are similar, the secondary port predictions made by applying tidal differences can never be considered as accurate as the full predictions made for a reference port.

For practical reasons, however, every effort has been made to compare reference and secondary ports which have similar tidal characteristics. Because of the relatively small number of reference ports available this has not always been possible. However, the inaccuracies thus created are usually less than those caused by fluctuations in the tide levels due to meteorological conditions.

### Meteorological Effects on Tide Levels

The predicted levels published for reference ports are of a tidal oscillation or rise and fall above and below the mean water level.

Meteorological conditions, such as strong or prolonged winds, abrupt changes in barometric pressure, or prolonged periods of very high or very low pressures, introduce fluctuations in the water level. The high and low water heights which actually occur are the result of the predictable tidal oscillations together with fluctuations of meteorological origin which cannot be forecast in advance. Thus, if the water level has been raised by meteorological conditions, both the high and the low water heights will be higher than predicted and vice versa. A change in meteorological conditions, however, is never so rapid that a high water, raised by earlier conditions, would be followed by a low water lowered by the changed conditions. The same is true concerning low water followed by high water. The extreme levels tabulated for each reference port have invariably been reached under quite different circumstances at widely separated periods of time.

# Calculation

## of Intermediate Times or Heights

This table is primarily intended for finding the height of the tide at a reference port at any specified time between the predicted levels, or the time at which a specified height is reached. It will give reasonably accurate results at all reference ports in Canadian waters when the duration of rise or fall is within the tabulated limits (see paragraph "Interpolation"). It may also be used at secondary ports, with less accuracy, when the appropriate times and heights have been calculated.

## Instructions and Examples

Height at a specified time

To calculate the height of the tide at Bay Head on 2nd July at 1720.

1. From the daily tables note the time and heights preceding and succeeding the specified time (1720) and obtain

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (14.8 – 0.8 = 14.0)

c) the time interval between the specified time and the time of the nearest predicted level (1720 – 1600 = 1 20)

2. In the Duration column of the table find the duration calculated in 1a(6 30) and follow the horizontal line of figures until the time interval closest to that calculated in 1c (1 20) is reached. Note the column number (column 2). (Follow the *)

3. In the Range column of the table find the range calculated in 1b (14.0) and follow the horizontal line of figures to the same numbered column as found in 2 (column 2). Note the figure in this column (1.4). (Follow the *)

4. This figure is the difference between the height required and the height of the predicted level from which the time interval was calculated in 1c (1600 0.8). It should be subtracted from this height if the higher of the levels was used or added if the lower was used (0.8 + 1.4 = 2.2). The result is the height of the tide specified.

Calculated height: 2.2 ft.

*Note: To use this table for tides with a range greater than 30 feet, the calculated value of the Range, 1b, must be halved and the Height Difference, taken from the table, must be doubled.*

# BAY HEAD (EST Z - S)

JULY JUILLET

| Day | Time | Ht. ft. | Ht. m. | Jour | Heure | H. pi. | H. m. |
|---|---|---|---|---|---|---|---|
| 1 | 0252 | **1.2** | 4 | 16 | 0355 | **3.2** | 1.0 |
| | 0910 | **14.7** | 4.5 | | 1025 | **13.4** | 4.1 |
| SU | 1510 | **.8** | .2 | MO | 1605 | **2.3** | .7 |
| DI | 2130 | **14.8** | 4.5 | LU | 2245 | **13.8** | 4.1 |
| 2 | 0335 | **1.2** | 4 | 17 | 0515 | **2.9** | .9 |
| | 1010 | **14.8** | 4.5 | | 1110 | **13.5** | 4.1 |
| MO | 1600 | **.8** | .2 | TU | 1740 | **2.0** | .6 |
| DU | 2230 | **14.8** | 4.5 | MA | 2335 | **13.8** | 4.2 |
| 3 | 0420 | **1.4** | .4 | 18 | 0555 | **2.7** | .8 |

Time at a specified height

To calculate the time at which the height of the rising afternoon tide at Bay Head on 2nd July will be 2.2 feet.

1. From the daily tables note the times and heights preceding and succeeding the specified height (2.2) and obtain

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (14.8 – 0.8 = 14.0)

c) the height difference between the height specified and the nearest predicted level (2.2 – 0.8 = 1.4)

2. In the Range column of the table find the range calculated in 1b and follow the horizontal line of figures until the height difference closest to that calculated in 1c is found. Note the column number (column 2). (Follow the *)

3. In the Duration column of the table find the duration calculated in 1a and follow the horizontal line to the same numbered column as that found in 2. Note the figure in this column (1 20). (Follow the *)

4. This figure is the Time Interval between the time required and the time of the predicted level from which the height difference was calculated in 1c (1600 0.8). If the lower of the levels was used in 1c, add the time interval on a rising tide and subtract it on a falling tide (1600 + 1 20 = 1720). If the higher of the levels was used subtract the time interval on a rising tide and add it on a falling tide. The result is the time at which the specified height will be reached.

Calculated time: 1720 hours.

*Note: To use this table for tides with a greater range than 30 feet, the calculated values of Range, 1b, and Height Difference, 1c, must be halved. The time interval extracted from the table should not be altered.*

## Table of Height Differences from Nearest Predicted Level

| Range | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 3 | 2 | 3 | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 15 |
| 4 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 5 | 3 | 5 | 8 | 10 | 13 | 15 | 18 | 20 | 23 | 25 |
| 6 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 7 | 4 | 7 | 11 | 14 | 18 | 21 | 25 | 28 | 32 | 35 |
| 8 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 9 | 5 | 9 | 14 | 18 | 23 | 27 | 32 | 36 | 41 | 45 |
| 10 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 11 | 6 | 11 | 17 | 22 | 28 | 33 | 39 | 44 | 50 | 55 |
| 12 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 13 | 7 | 13 | 20 | 26 | 33 | 39 | 46 | 52 | 59 | 65 |
| 14* | 7 | 14* | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 15 | 8 | 15 | 23 | 30 | 38 | 45 | 53 | 60 | 68 | 75 |
| 16 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 17 | 9 | 17 | 26 | 34 | 43 | 51 | 60 | 68 | 77 | 85 |
| 18 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 19 | 10 | 19 | 29 | 38 | 48 | 57 | 67 | 76 | 86 | 95 |
| 20 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 21 | 11 | 21 | 32 | 42 | 53 | 63 | 74 | 84 | 95 | 105 |
| 22 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 |
| 23 | 12 | 23 | 35 | 46 | 58 | 69 | 81 | 92 | 104 | 115 |
| 24 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 |
| 25 | 13 | 25 | 38 | 50 | 63 | 75 | 88 | 100 | 113 | 125 |
| 26 | 13 | 26 | 39 | 52 | 65 | 78 | 91 | 104 | 117 | 130 |
| 27 | 14 | 27 | 41 | 54 | 68 | 81 | 95 | 108 | 122 | 135 |
| 28 | 14 | 28 | 42 | 56 | 70 | 84 | 98 | 112 | 126 | 140 |
| 29 | 15 | 29 | 44 | 58 | 73 | 87 | 102 | 116 | 131 | 145 |
| 30 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi

## Interpolation

This is a general table for use with all ports and is based on the assumption that the tidal curve is a simple cosine curve. At most ports there is some distortion of the tidal curve. Where tides are small, therefore, interpolation is unnecessary when the calculated values of the duration, time interval, range and height difference do not coincide with those tabulated. Where the tides are large, however, interepolation is more desirable, but an estimate by eye is all that is justified by the ultimate accuracy of the prediction. When the duration or range of the tide are less than those tabulated in the calculation table, a direct arithmetic interpolation may be made.

## Conversion of Tidal Heights to Approximate Elevations Referred to Mean Sea Level

The height of tide may be converted to an approximate elevation above (+) or below (–) Mean Sea Level by subtracting the height of mean water level at the specified port from the calculated height of tide.

## Table of Time Intervals from Nearest Predicted Level

| Duration | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi

## Différence de hauteur du niveau predit le plus rapproche

| Amplitude | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 3 | 2 | 3 | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 15 |
| 4 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 5 | 3 | 5 | 8 | 10 | 13 | 15 | 18 | 20 | 23 | 25 |
| 6 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 7 | 4 | 7 | 11 | 14 | 18 | 21 | 25 | 28 | 32 | 35 |
| 8 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 9 | 5 | 9 | 14 | 18 | 23 | 27 | 32 | 36 | 41 | 45 |
| 10 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 11 | 6 | 11 | 17 | 22 | 28 | 33 | 39 | 44 | 50 | 55 |
| 12 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 13 | 7 | 13 | 20 | 26 | 33 | 39 | 46 | 52 | 59 | 65 |
| 14* | 7 | 14* | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 15 | 8 | 15 | 23 | 30 | 38 | 45 | 53 | 60 | 68 | 75 |
| 16 | 8 | 16 | 24 | 32* | 40 | 48 | 56 | 64 | 72 | 80 |
| 17 | 9 | 17 | 26 | 34 | 43 | 51 | 60 | 68 | 77 | 85 |
| 18 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 19 | 10 | 19 | 29 | 38 | 48 | 57 | 67 | 76 | 86 | 95 |
| 20 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 21 | 11 | 21 | 32 | 42 | 53 | 63 | 74 | 84 | 95 | 105 |
| 22 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 |
| 23 | 12 | 23 | 35 | 46 | 58 | 69 | 81 | 92 | 104 | 115 |
| 24 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 |
| 25 | 13 | 25 | 38 | 50 | 63 | 75 | 88 | 100 | 113 | 125 |
| 26 | 13 | 26 | 39 | 52 | 65 | 78 | 91 | 104 | 117 | 130 |
| 27 | 14 | 27 | 41 | 54 | 68 | 81 | 95 | 108 | 122 | 135 |
| 28 | 14 | 28 | 42 | 56 | 70 | 84 | 98 | 112 | 126 | 140 |
| 29 | 15 | 29 | 44 | 58 | 73 | 87 | 102 | 116 | 131 | 145 |
| 30 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 |

*Les astérisques dans cette table servent exclusivement à illustrer les exemples de la page xii

## Interpolation

La Table des calculs est une table générale destinée à être utilisée pour tous les ports. Dans le cas de la plupart de ces derniers, la courbe des marées est quelque peu déformée. Par conséquent, là où les marées sont faibles, il est inutile d'interpoler quand les valeurs calculées de la durée, de l'intervalle de temps, du marnage et de la différence de hauteur ne coïncident pas avec celles des Tables. Là où les marées sont fortes, cependant, il est plus avantageux d'interpoler, mais une simple estimation visuelle donnera une prédiction suffisamment exacte. Si la durée ou le marnage de la marée sont inférieures à celles calculées à la Table, on peut faire une interpolation arithmétique directe.

## Conversion des hauteurs de marée en altitudes approximatives à partir du niveau moyen de la mer

On peut convertir la hauteur de marée en altitude approximative au-dessus ( + ) ou au-dessous ( − ) du niveau moyen de la mer en soustrayant la hauteur du niveau moyen de l'eau au port donné, de la hauteur calculée de la marée.

## Intervalle de la hauteur predite la plus rapprochée

| Durée | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*Les astérisques dans cette table servent exclusivement à illustrer les exemples de la page xii

## SECONDARY PORTS

TABLE 3

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

## PORTS SECONDAIRES

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | DIFFERENCES LOWER LOW WATER / BASSE MER INFÉRIEURE | | | RANGE (Supplied) / MARNAGE (Fourni) | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LAT N / LAIT N | LONG W / LONG O | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | ° ′ | ° ′ | h m | ft/pi | ft/pi | h m | ft/pi | ft/pi | ft/pi | ft/pi | ft/pi |
| | | | on / sur BAY HEAD pages 32-35 | | | | | | | | | | |
| 0002 | ROCK HARBOUR | +4 | 61 00 | 61 00 | +0 30 | +2.4 | +3.0 | +0 20 | 0.6 | +0.2 | 1.8 | 1e.8 | 9.0 |

SAMPLE EXEMPLE

## REFERENCE PORTS

TABLE 2

TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL

*HAUTEURS DES MARÉES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

## PORTS DE RÉFÉRENCE

| REFERENCE PORT / PORT DE RÉFÉRENCE | HEIGHTS / HAUTEURS: HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | | HEIGHTS / HAUTEURS: LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | RECORDED EXTREMES / EXTRÊMES ENREGISTRÉS | | | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MEAN TIDE / MARÉE MOYENNE | | LARGE TIDE / GRANDE MARÉE | | MEAN TIDE / MARÉE MOYENNE | | LARGE TIDE / GRANDE MARÉE | | HIGHEST H / PLUS HAUTE PLEINE MER | | LOWEST W / PLUS BASSE BASSE MER | | | |
| | ft/pi. | m | ft/pi. | m | ft/pi. | m | ft/pi. | m | ft/pi. | m | ft/pi. | m | ft/pi. | m |
| BAY HEAD | 8.0 | 2.4 | 14.0 | 4.3 | 4.0 | 1.2 | 0.0 | 0.0 | 18.0 | 5.5 | -0.5 | -0.2 | 6.5 | 2.0 |

SAMPLE EXEMPLE

# Introduction

## Partie 1 — RENSEIGNEMENTS PRATIQUES

### Tables des marées

L'heure et la hauteur sont prédites et présentés sous forme de tables quotidiennes pour tous les ports de référence. Les colonnes indiquant les hauteurs en pieds sont ombrées pour les distinguer des colonnes indiquant les hauteurs en mètres.

### Tables des courants

L'heure et le taux de vitesse maximale des courants, ou l'heure de l'étale lorsque les courants changent de direction, sont prédits et présentés sous forme de tables quotidiennes pour toutes les stations de mesure des courants. Les fluctuations dans le mouvement horizontal des eaux dues aux conditions météorologiques peuvent prolonger la durée et augmenter la vitesse du courant dans une direction et causer un effet contraire lorsque la direction change de sens. Le courant peut par conséquent ne pas changer de direction exactement au moment prédit, mais en ce cas le taux sera relativement faible.

Partout dans les tables la direction des courants est indiquée par ( + ) lorsque le courant marégraphique se déplace vers une région de marée montante ou ( − ) lorsqu'il se déplace vers une région de marée descendante.

### Cartes

La carte du haut au verso de la couverture indique les limites et les numéros de tous les volumes de la série sur les tables canadiennes des marées et courants.

La carte du bas indique les régions générales ou sont groupés les ports secondaires. Les régions sont numérotées consécutivement selon l'ordre géographique de distribution des ports de référence et des ports secondaires dans le volume. La carte indique aussi l'emplacement des ports de référence et des stations de mesure des courants.

### Régions et emplacements

Dans les tables de renseignements sur les ports secondaires et des différences marégraphiques, chaque titre de région générale comporte un nom descriptif en plus de son numéro consécutif. Ceci facilite la tâche de situer chaque région et permet de vérifier rapidement toutes les données disponibles.

À l'intérieur de ces régions générales, tous les ports secondaires sont disposés et énumérés par emplacement.

### Toponymes et coordonnées

Partout dans les tables, les noms donnés aux ports de référence et aux ports secondaires sont, pour la plupart, des noms approuvés par le Comité permanent canadien des noms géographiques.

Les coordonnées géographiques données dans les tables des ports de référence et des ports secondaires sont celles des stations marégraphiques originelles et il faut les utiliser chaque fois que l'on a besoin de leurs positions précises. Les toponymes associés à ces coordonnées ont été choisis parmi ceux des endroits ou des accidents géographiques importants les plus rapprochés. En conséquence les coordonnées géographiques et les noms peuvent ne pas correspondre exactement.

### Directives et exemples

On trouvera dans le présent annuaire des directives et des exemples relatifs à la méthode à suivre pour prédire les heures et les hauteurs aux ports secondaires et calculer les hauteurs et les heures intermédiaires aux ports de référence et aux ports secondaires. On a utilisé partout dans ces exemples des renseignements factices.

### Définitions

*Les ports de référence ou les stations de référence de courant* sont ceux pour lesquels on publie les prédictions sous forme de tables quotidiennes soit des heures et des hauteurs soit des heures des renversements et des vitesses maximales.

*Les ports secondaires ou les stations secondaires de courant* sont ceux pour lesquels on publie les différences soit pour les heures et les hauteurs soit pour les heures des renversements.

Les différences sont les corrections qu'il faut appliquer aux prédictions à un port de référence ou à une station de référence de courant pour obtenir les prédictions à un port secondaire ou à une station secondaire de courant.

*Les zones horaires* de prédiction aux ports de référence et aux ports secondaires suivent d'ordinaire l'heure normale de la région. Elle est indiquée en haut des tables de prédiction quotidienne par le suffixe (Z) placé après chaque nom et accompagné par les initiales et le numéro de la zone ainsi que par les chiffres de la colonne de la zone horaire des tables 1 et 3. Le signe ( + ) indique qu'on peut obtenir le temps moyen de Greenwich (TMG) en additionnant à l'heure normale le nombre d'heures correspondant à la zone horaire.

Les zones horaires normales représentées par les initiales et les chiffres s'établissent somme suit:

| | | |
|---|---|---|
| HNTN | Z + 3½ | Heure normale de Terre-Neuve |
| HNA | Z + 4 | Heure normale de l'Atlantique |
| HNE | Z + 5 | Heure normale de l'Est |
| HNC | Z + 6 | Heure normale du Centre |
| HNM | Z + 7 | Heure normale des Montagnes |
| HNP | Z + 8 | Heure normale du Pacifique |

Pour convertir les prédictions en heure d'été, on ajoute une heure.

*Le niveau de référence marégraphique* établi pour les ports de référence et les ports secondaires est le même, à moins d'indication contraire, que le niveau de référence (zéro des cartes) dans la région. Conformément à l'accord international, le zéro des cartes est le niveau sous lequel la marée descend rarement. Le Service hydrographique du Canada a adopté le niveau de la marée normale la plus basse comme zéro des cartes.

*La hauteur de la marée* est la distance verticale qui sépare la surface de la mer et le zéro des cartes. Pour trouver la profondeur totale, on ajoute la hauteur de la marée aux données sur la profondeur apparaissant sur la carte. Ainsi, quand la carte indique une profondeur de 20 pieds à un endroit et que la hauteur prédite de la pleine mer est de 10 pieds, la profondeur réelle de la pleine mer est de 30 pieds.

Dans le cas de certains ports inaccessibles à marée basse et ou les navires reposent alors sur des tins ou des clayonnages, les hauteurs de la marée se mesurent à partir de ces objets.

Le marnage de la marée moyenne est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la marée moyenne.

Le marnage de la grand maree est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la grande marée.

*Le niveau moyen de l'eau* est la hauteur au-dessus du zéro des cartes de la moyenne de toutes les observations horaires utilisées à un endroit particulier pour étudier la marée.

Données marégraphiques sur les cartes du Service hydrographique du Canada

La plupart des cartes publiées par le Service hydrographique du Canada indiquent le niveau de référence et, au besoin, des renseignements marégraphiques. Le tableau de ces renseignements comprend, pour des endroits donnés, les hauteurs de pleine mer supérieure et de basse mer inférieure des grandes et moyennes marées. Ces hauteurs sont calculées d'après le niveau de référence. Ces renseignements doivent servir de guide pour déterminer la hauteur de la marée à ces endroits. Si on a besoin de prédictions plus précises, il faut consulter les tables de marée.

On donne aussi au tableau la hauteur du niveau moyen de l'eau, à ne pas confondre avec le niveau de référence géodésique du Canada vu que le niveau moyen de l'eau peut changer avec le temps.

Renseignements supplémentaires

Les tables renferment les renseignements les plus récents.

Les renseignements additionnels ou les modifications qui sont disponibles avant le 1er novembre de l'année précédente seront publiés dans l'édition hebdomadaire n° 46 des *Avis aux navigateurs* (Édition canadienne). Toutes les modifications ultérieures seront publiées au besoin dans les *Avis aux navigateurs*.

Révision

Afin de faciliter la révision et d'améliorer la précision ou l'utilité de ces tables, on prie les navigateurs, les autorités des ports, les arpenteurs, les ingénieurs et tous ceux qui les utilisent de soumettre leurs commentaires sur l'un ou l'autre point suivant: fautes d'impression, différences appréciables entre les hauteurs des marées prédites et observées, niveaux extrêmes, améliorations des tables, et renseignements provenant des stations marégraphiques privées.

*Nota: Le Service hydrographique du Canada fournira sur demande des renseignements sur l'aménagement et l'utilisation de marégraphes automatiques.*

Toute communication doit être envoyée au Service hydrographique du Canada, Ottawa, Ont., ou aux bureaux régionaux de Dartmouth, N.-É., Québec, QC, Burlington, Ont., ou Sidney, C.-B.

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## Partie 2 — RENSEIGNEMENTS THÉORIQUES

Genres de marée

*Marée semi-diurne (SD)* — deux oscillations marégraphiques complètes quotidiennes, les deux pleines mers étant de hauteur semblable, de même que les deux basses mers. Les deux pleines mers du jour suivent les passages supérieur et inférieur de la lune d'environ le même intervalle.

*Marée mixte, surtout semi-diurne (MSD)* — deux oscillations marégraphiques quotidiennes complètes avec inégalités à la fois en hauteur et dans le temps ou elle atteint ses plus grandes valeurs alors que la déclinaison de la lune est passée par son maximum.

*Marée mixte, surtout diurne (MD)* — habituellement, et à coup sûr quand la lune présente une faible déclinaison, il se produit deux oscillations marégraphiques complètes quotidiennes. Les inégalités entre les hauteurs des pleines et basses mers successives et le temps des intervalles correspondants sont très marquées.

*Marée diurne (D)* — une oscillation marégraphique complète quotidienne.

Précision des prédictions

*Ports de référence* — La précision des prédictions aux ports de référence dépend de la quantité et de la qualité des constantes marégraphiques utilisées pour les calculer. Ces constantes à leur tour sont directement reliées à la longueur de la période d'observation utilisée dans l'analyse marégraphique et d'où les constantes sont dérivées. Lorsque les dossiers le permettent on utilise des observations s'étendant sur au moins une année.

*Ports secondaires* — La précision des différences marégraphiques aux ports secondaires dépend aussi de la qualité des constantes marégraphiques utilisées pour les calculer, comme pour les ports de référence. Dans la majorité des cas cependant la période d'observations ne s'étend pas sur plus d'un mois, et parfois moins. Leur qualité est par conséquent affectée par les fluctuations du niveau des marées comparativement à la normale, durant cette période, à la suite des conditions météorologiques.

De plus, leur précision est fortement dépendante de la similarité entre les caractéristiques de la marée aux ports secondaires et aux ports de référence. Il n'y a pas deux endroits au monde où les marées sont identiques de sorte que même si leurs caractéristiques sont semblables les prédictions aux ports secondaires faites en utilisant les différences marégraphiques ne peuvent pas être considérées aussi précises que les prédictions complètes faites pour un port de référence. Du point de vue pratique cependant on a fait tout ce qui est possible pour établir les comparaisons entre les ports de référence et les ports secondaires qui présentent des caractéristiques marégraphiques semblables. À cause du petit nombre de ports de référence disponibles cette façon de faire n'a pas toujours été possible. Par contre les inexactitudes ainsi engendrées sont habituellement inférieures à celles qui proviennent des fluctuations des niveaux des marées causées par les conditions météorologiques.

Effets des conditions météorologiques sur la hauteur des marées

Les hauteurs publiées pour les ports de référence ne représentent que l'oscillation marégraphique, soit une certaine hauteur au-dessus et au-dessous du niveau moyen de l'eau.

Les conditions météorologiques comme les vents violents et prolongés, les changements rapides de la pression barométrique ou les périodes prolongées de très haute ou de très basse pression influent sur le niveau de l'eau. La hauteur des marées hautes et basses est le résultat d'oscillations marégraphiques que l'on peut prédire et de variations d'origine météorologique que l'on ne peut prévoir longtemps à l'avance. Ainsi si le niveau de la mer a monté à la suite de l'influence de conditions météorologiques, la hauteur des marées hautes et basses sera supérieure à celle prédite et vice versa. Cependant, un changement dans les conditions météorologiques n'est jamais assez rapide pour qu'une marée haute favorisée par des conditions antérieures soit suivie d'une marée basse abaissée davantage par le changement des conditions, et la même chose est vraie d'une marée basse suivie d'une marée haute. Les niveaux extrêmes établis pour chacun des ports de référence ont invariablement été atteints dans des circonstances bien différentes et à des périodes à longs intervalles.

# Calcul

## des hauteurs ou des heures intermédiaires

La Table des calculs est destinee surtout a trouver la hauteur de la maree à un port de reference à un moment donne entre les hauteurs predites, ou l heure à laquelle une hauteur donnee est atteinte. Elle donnera des chiffres suffisamment precis pour tous les ports de reference situes dans les eaux canadiennes si la duree du flot et du jusant rentre dans les limites etablies (voir le paragraphe intitulé Interpolation). On peut l appliquer aussi aux ports secondaires, avec moins d exactitude, quand on a calcule les heures et les hauteurs appropriees

### Directives et exemples

Hauteur a une heure donnee

Pour calculer la hauteur de la maree, à Bay Head, le 2 juillet a 17h20

1 D apres les tables quotidiennes, noter les heures et les hauteurs precedant et suivant l heure donnee (17h20) et obtenir

a) la duree du flux ou du reflux, savoir la difference d heure entre les hauteurs predites (2230 1600 6 30)

b) le marnage de la maree, savoir la difference de hauteur entre les hauteurs predites (14 8 0 8 14 0)

c) le temps qui separe l heure donnee et celle de la hauteur predite la plus rapprochee (1720 1600 1 20)

2 Dans la colonne Duree de la table, trouver la duree calculee a 1a(6 30) et suivre la ligne horizontale jusqu au chiffre le plus rapproché de celui qui est calcule à 1c(1 20). Noter le numerc de la colonne (2) (Suivez le *)

3 Dans la colonne Marnage, trouver le marnage calculee a 1b(14 0) et suivre la ligne horizontale jusqu à la colonne portant le même numéro qu à 2 (colonne 2). Noter le chiffre qui s'y trouve (1 4) (Suivez le *)

4. Ce chiffre est la difference entre la hauteur cherchee et la hauteur du niveau prédit à partir de laquelle on a calcule l intervalle de temps indiqué à 1c (1600 0.8). Soustraire ce chiffre de la hauteur dans le cas d un niveau supérieur et l ajouter dans le cas d un niveau inférieur (0 8 + 1 4 = 2 2). On obtient ainsi la hauteur de la marée à l heure donnee

Hauteur calculée 2 2 pieds

*Nota Pour appliquer la table a des marees d un marnage depassant 30 pieds, il faut diviser par deux la valeur calculee de l amplitude trouvee a 1b et doubler la difference de hauteur tiree de la table*

## BAY HEAD (EST Z+5)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0252 | 1.2 | .4 | 16 | 0355 | 3.2 | [illegible] |
| | 0910 | 14.7 | 4.5 | | 1025 | 13.4 | 4.[illegible] |
| SU | 1510 | .6 | .2 | MO | 1605 | 2.3 | [illegible] |
| DI | 2130 | 14.9 | 4.5 | LU | 2245 | 13.6 | 4.[illegible] |
| 2 | 0335 | 1.2 | .4 | 17 | 0515 | 2.9 | .9 |
| | 1010 | 14.8 | 4.5 | | 1110 | 13.5 | 4.[illegible] |
| MO | 1600 | .8 | .2 | TU | 1740 | 2.0 | .6 |
| LU | 2230 | 14.8 | 4.5 | MA | 2335 | 13.8 | 4.2 |
| 3 | 0420 | 1.4 | .4 | 18 | 0555 | 2.7 | .8 |

Heure a une hauteur donnee

Pour calculer l heure a laquelle la maree montante de l apres-midi a Bay Head, le 2 juillet atteindra la hauteur de 2 2 pieds

1 D apres les tables quotidiennes, noter les heures et les hauteurs precedant et suivant la hauteur donnee (2 2 pieds) et obtenir

a) la duree du flux ou du reflux, savoir la difference de temps entre les hauteurs predites (2230 1600 6 30)

b) le marnage de la maree, savoir la difference entre les hauteurs predites (14 8 0 8 14 0)

c) la difference de hauteur entre la hauteur donnee et les hauteurs predites les plus rapprochees (2 2 0 8 1 4)

2 Dans la colonne Marnage de la table, trouver le marnage calculee a 1b et suivre la ligne horizontale jusqu au chiffre le plus rapproche de celui qui est calcule à 1c. Noter le numero de la colonne (2) (Suivez le *)

3 Dans la colonne Duree, trouver la duree calculee a 1a et suivre la ligne horizontale jusqu a la colonne portant le même numero qu à 2. Noter le chiffre qui y figure (1 20) (Suivez le *)

4 Ce chiffre est la difference entre l heure cherchee et celle des hauteurs predites a partir de laquelle on a calculé la différence de hauteur a 1c (1600 0 8). S il s agit de la hauteur la plus basse à 1c, ajouter l intervalle de temps à une maree montante et le soustraire à une maree descendante (1600 + 1 20 = 1720). S il s agit de la hauteur la plus elevee, soustraire l intervalle de temps a une marée montante et l ajouter à une maree descendante. On obtient ainsi l heure a laquelle la hauteur donnee sera atteinte

Heure calculee 1720 heures

*Nota Pour appliquer cette table à des marees d un marnage de plus de 30 pieds, il faut diviser par deux les valeurs calculees de l amplitude trouvee a 1b et la difference de hauteur trouvee à 1c. Ne pas modifier l intervalle de temps tire de la table*

## Différence de hauteur du niveau predit le plus rapproché

| Amplitude | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 3 | 2 | 3 | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 15 |
| 4 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 5 | 3 | 5 | 8 | 10 | 13 | 15 | 18 | 20 | 23 | 25 |
| 6 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 7 | 4 | 7 | 11 | 14 | 18 | 21 | 25 | 28 | 32 | 35 |
| 8 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 9 | 5 | 9 | 14 | 18 | 23 | 27 | 32 | 36 | 41 | 45 |
| 10 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 11 | 6 | 11 | 17 | 22 | 28 | 33 | 39 | 44 | 50 | 55 |
| 12 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 13 | 7 | 13 | 20 | 26 | 33 | 39 | 46 | 52 | 59 | 65 |
| 14* | 7 | 14* | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 15 | 8 | 15 | 23 | 30 | 38 | 45 | 53 | 60 | 68 | 75 |
| 16 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 17 | 9 | 17 | 26 | 34 | 43 | 51 | 60 | 68 | 77 | 85 |
| 18 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 19 | 10 | 19 | 29 | 38 | 48 | 57 | 67 | 76 | 86 | 95 |
| 20 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 21 | 11 | 21 | 32 | 42 | 53 | 63 | 74 | 84 | 95 | 105 |
| 22 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 110 |
| 23 | 12 | 23 | 35 | 46 | 58 | 69 | 81 | 92 | 104 | 115 |
| 24 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 |
| 25 | 13 | 25 | 38 | 50 | 63 | 75 | 88 | 100 | 113 | 125 |
| 26 | 13 | 26 | 39 | 52 | 65 | 78 | 91 | 104 | 117 | 130 |
| 27 | 14 | 27 | 41 | 54 | 68 | 81 | 95 | 108 | 122 | 135 |
| 28 | 14 | 28 | 42 | 56 | 70 | 84 | 98 | 112 | 126 | 140 |
| 29 | 15 | 29 | 44 | 58 | 73 | 87 | 102 | 116 | 131 | 145 |
| 30 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 |

*Les astérisques dans cette table servent exclusivement à illustrer les exemples de la page xii

## Interpolation

La Table des calculs est une table générale destinée à être utilisée pour tous les ports. Dans le cas de la plupart de ces derniers, la courbe des marées est quelque peu déformée. Par conséquent, là où les marées sont faibles, il est inutile d'interpoler quand les valeurs calculées de la durée, de l'intervalle de temps, du marnage et de la différence de hauteur ne coïncident pas avec celles des Tables. Là où les marées sont fortes, cependant, il est plus avantageux d'interpoler, mais une simple estimation visuelle donnera une prédiction suffisamment exacte. Si la durée ou le marnage de la marée sont inférieures à celles calculées à la Table, on peut faire une interpolation arithmétique directe.

## Conversion des hauteurs de marée en altitudes approximatives à partir du niveau moyen de la mer

On peut convertir la hauteur de marée en altitude approximative au-dessus ( + ) ou au-dessous ( − ) du niveau moyen de la mer en soustrayant la hauteur du niveau moyen de l'eau au port donné, de la hauteur calculée de la marée.

## Intervalle de la hauteur prédite la plus rapprochée

| Durée | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*Les astériques dans cette table servent exclusivement à illustrer les exemples de la page xii

# Prédiction

## des marées au ports secondaires

### Exemple

Pour prédire les heures et hauteurs des marées du matin et de l'après-midi, le 1er juillet, à Rock Harbour (heure normale):

### Directives

Il faut exécuter les directives de 1 à 7 en suivant les sept étapes énumérées dans l'exemple qui se trouve au bas de la deuxième colonne de cette page.

1. Localiser le port en question dans la table 3 "Ports secondaires" et noter le fuseau horaire.

2. Noter les différences d'heure et de hauteur inscrites à la table 3 concernant ce port. (Voir l'exemple, page ix)

3. Noter le nom du port de référence qui le précède dans la table 3.

4. Noter les hauteurs des marées moyennes et grandes marées à ce port de référence et inscrites à la table 2 "Ports de référence". (Voir l'exemple, page ix)

5. Noter les prédictions quotidiennes appropriées concernant ce port de référence. (Voir l'exemple sur cette page.)

6. a) Choisir la différence de temps et de hauteur appropriée en 2. À toutes fins utiles, on utilise la différence de marée moyenne de la haute mer supérieure (ex: 2.4) si la hauteur prédite la plus élevée en 5 (ex: 10.0) est plus rapprochée de la hauteur de marée moyenne de la haute mer supérieure en 4 (ex: 8.0) que la hauteur de la grand marée (ex: 14.0) et vice versa. On utilise aussi la différence de marée moyenne si la différence de la grande marée est omise. On utilise de la même façon les différences de basse mer inférieure pour les hauteurs prédites inférieures.

b) Si les hauteurs prédites en 5 sont plus rapprochées des hauteurs de la marée haute plutôt que de la marée basse en 4, on utilise alors les différences de temps et de hauteur de la haute mer supérieure à la fois pour les temps et les niveaux prédits. À marée basse, on utilise les différences de temps et de hauteur de la basse mer inférieure à la fois pour les temps et les niveaux prédits.

c) Une méthode plus précise pour calculer les différences de hauteur consiste à faire une interpolation entre les différences de hauteur en 2 selon le rapport déterminé par la position du niveau prédit entre la hauteur de la marée moyenne et celle de la grande marée. Si le niveau prédit ne se situe pas entre les hauteurs des marées moyenne et grande, on effectuera une extrapolation au lieu d'une interpolation, et le résultat de cette extrapolation sera nécessairement inférieur ou supérieur aux différences de hauteur indiquées en 2.

## BAY HEAD (EST Z - S)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | **4.0** | 1.2 | 16 | 0230 | **4.2** | 1.3 |
| | 0720 | **10.0** | 3.0 | | 0825 | **9.7** | 3.0 |
| SU | 1310 | **3.9** | .9 | MO | 1405 | **4.0** | 1.2 |
| DI | 1940 | **11.3** | 3.4 | LU | 2025 | **10.1** | 3.1 |
| 2 | 0245 | **4.8** | 1.5 | 17 | 0340 | **4.8** | 1.5 |
| | 0830 | **9.3** | 2.8 | | 0935 | **9.2** | 2.8 |
| MO | 1420 | **3.8** | 1.1 | TU | 1525 | **4.3** | 1.3 |
| LU | 2100 | **10.3** | 3.1 | MA | 2130 | **9.8** | 2.9 |
| 3 | 0355 | **4.7** | 1.4 | 18 | 0450 | **4.7** | 1.4 |

7. Appliquer les différences d'heure et de hauteur, choisies selon la directive 6, aux prédictions quotidiennes du port de référence en 5, et en tirer les prédictions au port secondaire en cause qui sont toujours relatives à l'heure normale du port secondaire et indépendantes de celui du port de référence.

### Exemple

Etape 1 Rock Harbour · 4

Etape 2

| Pleine mer supérieure | | | Basse mer inférieure | | |
|---|---|---|---|---|---|
| Temps | Marée moyenne | Grande marée | Temps | Marée moyenne | Grande marée |
| · 0 30 | · 2 4 | · 3 0 | · 0 20 | 0 6 | · 0 2 |

Etape 3 Bay Head

Etape 4

| Pleine mer supérieure | | Basse mer inférieure | | |
|---|---|---|---|---|
| Marée moyenne | Grande marée | | Marée moyenne | Grande marée |
| 8 0 | 14 0 | | 4 0 | 0 0 |

Etape 5

| Marée du matin | | Marée de l'après-midi | |
|---|---|---|---|
| 0720 | 10 0 | 1310 | 3 0 |

Etape 6 · 030 · 2 4 · 020 0 6

Etape 7

| | | | |
|---|---|---|---|
| 0750 | 12 4 | 1330 | 2 4 |

Fuseau horaire · 4

TABLE 1
INFORMATION AND RANGE
*RENSEIGNEMENTS ET MARNAGE*

| REFERENCE PORT / *PORT DE REFERENCE* | INDEX NO. / *NO. D'INDEX* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* | | TYPE OF TIDE / *GENRE DE MAREES* | RANGE / *MARNAGE* | |
|---|---|---|---|---|---|---|---|
| | | | LATITUDE NORTH / *LATITUDE NORD* | LONGITUDE WEST / *LONGITUDE OUEST* | | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* |
| **TIDES *MAREES*** | | | | | | *ft./pi.* *m* | *ft./pi.* *m* |
| PICTOU | 1630 | -4 | 45 41 | 62 42 | MSD | 4.0 1.2 | 6.4 2.0 |
| CHARLOTTETOWN | 1700 | -4 | 46 13 | 63 08 | MSD | 6.0 1.8 | 9.6 2.9 |
| SHEDIAC BAY | 1805 | -4 | 46 15 | 64 32 | MD | 2.7 0.8 | 4.8 1.5 |
| RUSTICO | 1915 | -4 | 46 28 | 63 17 | MSD | 2.4 0.7 | 3.8 1.1 |
| ESCUMINAC | 2000 | -4 | 47 05 | 64 53 | MSD | 3.2 1.0 | 4.7 1.4 |
| POINTE-SAINT-PIERRE | 2310 | -5 | 48 38 | 64 10 | MSD | 3.6 1.1 | 5.2 1.6 |
| HARRINGTON HARBOUR | 2550 | -4 | 50 30 | 59 29 | MSD | 4.8 1.5 | 7.4 2.2 |
| **CURRENTS *COURANTS*** | | | | | | | |
| ABEGWEIT PASSAGE | — | -4 | 46 10 | 63 44 | — | — — | — — |

REFERENCE PORTS PORTS DE RÉFÉRENCE

TABLE 2
TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL
*HAUTEURS DES MAREES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

| REFERENCE PORT / *PORT DE REFERENCE* | HEIGHTS *HAUTEURS* | | | | | | |
|---|---|---|---|---|---|---|---|
| | HIGHER HIGH WATER / *PLEINE MER SUPERIEURE* | | LOWER LOW WATER / *BASSE MER INFERIEURE* | | RECORDED EXTREMES / *EXTRÊMES ENREGISTRES* | | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
| | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | HIGHEST H.W / *EXTREME DE PLEINE MER* | LOWEST L.W. / *EXTREME DE BASSE MER* | |
| **TIDES *MAREES*** | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* |
| PICTOU | 5.5 1.7 | 8.7 2.0 | 1.6 0.5 | 0.3 0.1 | 10.0 3.0 | -1.8 -0.5 | 3.8 1.2 |
| CHARLOTTETOWN | 7.9 2.4 | 9.6 2.9 | 1.8 0.5 | 0.1 0.0 | 12.6 3.8 | -2.2 -0.7 | 5.6 1.7 |
| SHEDIAC BAY | 4.4 1.4 | 5.6 1.7 | 1.7 0.5 | 0.8 0.3 | 9.5 2.9 | -2.2 -0.7 | 3.4 1.0 |
| RUSTICO | 3.0 0.9 | 3.9 1.2 | 0.7 0.2 | 0.3 0.1 | 8.1 1.9 | -1.4 -0.4 | 1.7 0.5 |
| ESCUMINAC | 4.0 1.2 | 5.2 1.6 | 0.8 0.2 | 0.8 0.2 | 7.7 2.3 | -1.5 -0.5 | 2.3 0.7 |
| POINTE-SAINT-PIERRE | 4.4 1.3 | 5.5 1.7 | 0.8 0.2 | 0.3 0.1 | 7.4 2.3 | -1.8 0.6 | 2.4 0.7 |
| HARRINGTON HARBOUR | 6.0 1.8 | 7.2 2.2 | 1.2 0.4 | -0.2 -0.1 | 10.2 3.1 | -1.8 -0.5 | 3.5 1.1 |

## TABLE 3
## INFORMATION AND TIDAL DIFFERENCES
## *RENSEIGNEMENTS ET DIFFÉRENCES DES MAREES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFERENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPERIEURE | | | LOWER LOW WATER / BASSE MER INFERIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MAREE MOYENNE | LARGE TIDE / GRANDE MAREE | TIME / HEURE | MEAN TIDE / MAREE MOYENNE | LARGE TIDE / GRANDE MAREE | MEAN TIDE / MAREE MOYENNE | LARGE TIDE / GRANDE MAREE | |
| | | | | | h m | ft pi | ft pi | h m | ft pi | ft pi | ft pi | ft pi | ft pi |
| | **AREA 1 / *REGION* 1**<br>**CAPE BRETON ISLAND** | | | | | | | | | | | | |
| | CABOT STRAIT | | | | | | on *sur* PICTOU, pages 2 5 | | | | | | |
| 1510 | DINGWALL - SEE VOLUME 1 - #0638 | | | | | | | | | | | | |
| 1520 | BAY ST LAWRENCE | -4 | 47 01 | 60 27 | 0 51 | 1 8 | 1 6 | 0 49 | 0 4 | 0 3 | 2 6 | 5 1 | 2 5 |
| 1530 | ST. PAUL ISLAND | -4 | 47 12 | 60 09 | 1 32 | 1 8 | 2 4 | 1 14 | 0 4 | 0 0 | 2 6 | 4 0 | 2 4 |
| | WEST SHORE | | | | | | on *sur* ESCUMINAC, pages 18 21 | | | | | | |
| 1540 | LA POINTE | -4 | 46 36 | 61 03 | -4 14 | 0 6 | 0 9 | -4 14 | -0 3 | -0 1 | 2 2 | 3 6 | 2 4 |
| 1545 | MARGAREE TRAILER | -4 | 46 26 | 61 07 | -3 55 | 0 9 | 1 2 | -4 23 | 0 0 | 0 3 | 2 3 | 3 7 | 2 0 |
| 1546 | MARGAREE BREAKWATER | -4 | 46 27 | 61 07 | -3 59 | 1 0 | 1 3 | -4 10 | 0 2 | 0 5 | 2 4 | 3 8 | 1 9 |
| 1550 | BROAD COVE MARSH | -4 | 46 18 | 61 16 | -3 41 | 0 2 | 0 3 | -4 08 | -0 4 | -0 1 | 2 6 | 4 2 | 2 7 |
| | **AREA 2 / *REGION* 2**<br>**NORTHUMBERLAND STRAIT EAST** | | | | | | | | | | | | |
| | ST GEORGES BAY | | | | | | on *sur* PICTOU, pages 2 5 | | | | | | |
| 1560 | PORT HOOD | -4 | 46 01 | 61 32 | 0 52 | 1 9 | 2 3 | 0 29 | 0 8 | 0 2 | 2 9 | 4 3 | 2 1 |
| 1570 | AULDS COVE | -4 | 45 39 | 61 26 | 0 32 | 1 5 | 1 7 | 0 11 | 0 6 | 0 2 | 3 1 | 4 9 | 2 4 |
| 1580 | CAPE JACK | -4 | 45 42 | 61 33 | 1 12 | 1 2 | 1 5 | 1 02 | 0 3 | -0 1 | 3 0 | 4 8 | 2 8 |
| 1590 | ANTIGONISH HARBOUR | -4 | 45 40 | 61 55 | -0 21 | 1 0 | 1 5 | -0 37 | 0 2 | 0 3 | 3 2 | 5 2 | |
| 1600 | BALLANTYNES COVE | -4 | 45 52 | 61 55 | 0 51 | 1 0 | 1 2 | 0 33 | 0 1 | -0 3 | 3 1 | 4 9 | 3 1 |
| | SOUTH SHORE | | | | | | | | | | | | |
| 1610 | ARISAIG | -4 | 45 48 | 62 10 | 0 26 | 0 4 | 0 5 | 0 20 | -0 1 | -0 2 | 3 5 | 5 6 | 3 5 |
| 1620 | MERIGOMISH | -4 | 45 39 | 62 27 | -0 08 | 0 0 | 0 1 | -0 12 | -0 2 | -0 4 | 3 8 | 5 8 | 3 8 |
| 1635 | PICTOU ISLAND | -4 | 45 48 | 62 35 | 0 05 | +0 3 | -0 2 | 0 05 | -0 3 | -0 3 | 4 0 | 6 3 | 3 9 |
| 1640 | CARIBOU | -4 | 45 44 | 62 41 | -0 20 | -0 3 | -0 2 | +0 23 | 0 1 | 0 0 | 4 4 | 6 6 | 3 8 |

TABLE 3 Cont'd/*Suite*
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* LAT. N. / *LAT. N.* | POSITION LONG. W. / *LONG. O.* | DIFFERENCES *DIFFÉRENCES* HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* TIME / *HEURE* | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | LOWER LOW WATER / *BASSE MER INFÉRIEURE* TIME / *HEURE* | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | RANGE / *MARNAGE* MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | h m | ft pi | ft pi | h m | ft pi | ft pi | ft pi | ft pi | ft pi |
| | **AREA 2 / *RÉGION 2*** | | | | | | | | | | | | |
| | **NORTHUMBERLAND STRAIT EAST** Cont'd/*Suite* | | | | | | on *sur* PICTOU, pages 2-5 | | | | | | |
| | NORTH SHORE | | | | | | | | | | | | |
| 1650 | SOURIS | -4 | 46 21 | 62 15 | -1 17 | -0.4 | -0.5 | -1 00 | -0.2 | -0.4 | 3.5 | 5.5 | 3.5 |
| 1660 | GEORGETOWN | -4 | 46 11 | 62 32 | -0 51 | -0.2 | -0.3 | 0 45 | -0.1 | -0.3 | 3.7 | 5.8 | 3.6 |
| 1665 | GRAHAM POND | -4 | 46 06 | 62 27 | -0 49 | -0.2 | -0.4 | 0 52 | -0.2 | -0.4 | 3.6 | 5.6 | 3.7 |
| 1670 | MURRAY HARBOUR | -4 | 46 01 | 62 29 | -0 21 | -0.2 | -0.3 | 0 00 | -0.2 | -0.2 | 3.9 | 5.9 | 3.4 |
| | **AREA 3 / *RÉGION 3*** | | | | | | on *sur* CHARLOTTETOWN, pages 6-9 | | | | | | |
| | **NORTHUMBERLAND STRAIT** | | | | | | | | | | | | |
| | NORTH SHORE | | | | | | | | | | | | |
| 1680 | WOOD ISLANDS | -4 | 45 57 | 62 44 | -0 31 | -2.0 | -2.5 | 0 49 | -0.6 | -0.2 | 4.8 | 7.3 | 3.8 |
| 1690 | POINT PRIM | -4 | 46 03 | 63 02 | -0 22 | -0.3 | -0.2 | 0 14 | -0.4 | -0.5 | 6.0 | 9.2 | 5.6 |
| 1710 | CANOE COVE | -4 | 46 09 | 63 18 | -0 02 | -0.2 | -0.2 | -0 05 | -0.3 | -0.4 | 6.0 | 9.0 | 5.5 |
| 1715 | VICTORIA | -4 | 46 13 | 63 30 | -0 02 | 0.0 | -0.3 | -0 15 | -0.2 | -0.2 | 6.3 | 9.4 | 5.1 |
| 1725 | BORDEN | -4 | 46 15 | 63 42 | -0 08 | -0.6 | -1.1 | -0 20 | -0.1 | -0.3 | 5.4 | 8.1 | 4.9 |
| 1735 | SUMMERSIDE | -4 | 46 23 | 63 47 | -0 26 | -1.2 | -2.2 | -0 27 | -0.1 | -0.2 | 5.0 | 7.1 | 4.4 |
| | SOUTH SHORE | | | | | | | | | | | | |
| 1745 | SKINNERS COVE | -4 | 45 48 | 63 03 | -0 03 | -1.3 | -1.7 | 0 15 | -0.1 | -0.3 | 4.9 | 7.5 | 4.5 |
| 1760 | MALAGASH | -4 | 45 47 | 63 17 | -0 14 | -0.5 | -0.7 | 0 03 | -0.1 | -0.1 | 5.7 | 8.7 | 4.9 |
| 1770 | CAPE CLIFF | -4 | 45 53 | 63 28 | 0 01 | -0.9 | -1.4 | -0 09 | -0.6 | -0.5 | 5.7 | 8.6 | 4.4 |
| 1775 | PUGWASH | -4 | 45 51 | 63 41 | -0 28 | -0.3 | -0.9 | -0 23 | -0.4 | -0.4 | 6.2 | 9.1 | 4.8 |
| 1780 | TIDNISH | -4 | 46 00 | 64 01 | -0 05 | -0.4 | -0.6 | -0 08 | -0.6 | -0.6 | 6.3 | 9.5 | 4.7 |
| 1785 | PORT ELGIN | -4 | 46 03 | 64 04 | -0 31 | -0.2 | -0.1 | -0 59 | -0.5 | -0.2 | 6.4 | 9.6 | 4.8 |
| 1790 | CAPE TORMENTINE | -4 | 46 08 | 63 46 | -0 29 | -0.8 | -1.2 | -0 44 | -1.1 | -1.6 | 4.2 | 6.7 | 5.3 |
| | **AREA 4 / *RÉGION 4*** | | | | | | on *sur* SHEDIAC BAY, pages 10-13 | | | | | | |
| | **NORTHUMBERLAND STRAIT WEST** | | | | | | | | | | | | |
| | SOUTH SHORE | | | | | | | | | | | | |
| 1800 | CAPE BALD | -4 | 46 14 | 64 17 | -0 27 | -0.1 | -0.3 | -0 27 | -0.4 | -0.5 | 3.1 | 5.0 | 3.3 |
| 1810 | CAP DE CAISSIE | -4 | 46 20 | 64 31 | -0 08 | -1.0 | -1.0 | -0 01 | -0.8 | -0.8 | 2.5 | 4.5 | 2.5 |
| 1812 | COCAGNE HARBOUR | -4 | 46 20 | 64 37 | -1 00 | -0.9 | -1.4 | -0 43 | -0.9 | -0.8 | 2.7 | 4.1 | 2.4 |
| 1815 | SAINT-THOMAS-DE-KENT | -4 | 46 27 | 64 38 | -0 38 | -1.4 | -1.1 | -0 39 | -0.6 | -0.4 | 1.9 | 4.0 | 2.5 |

**TABLE 3 Cont'd/*Suite***
**INFORMATION AND TIDAL DIFFERENCES**
***RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES***

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFÉRENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | ° ′ | ° ′ | h. m. | ft. pi. | ft. pi. | h. m. | ft. pi. | ft. pi. | ft. pi. | ft. pi. | ft. pi. |
| | **AREA 4 / RÉGION 4**<br>**NORTHUMBERLAND STRAIT WEST**<br>**Cont'd/*Suite*** | | | | | | | | | | | | |
| | | | | | | on *sur* RUSTICO, pages 14-17 | | | | | | | |
| | SOUTH SHORE | | | | | | | | | | | | |
| 1820 | RICHIBUCTO CAPE | +4 | 46 39 | 64 42 | −1 12 | +0.5 | +0.4 | −0 22 | +0.5 | +0.4 | 2.4 | 3.5 | 2.2 |
| 1825 | RICHIBUCTO BAR | +4 | 46 43 | 64 47 | −0 40 | +0.3 | +0.3 | −0 03 | +0.2 | +0.4 | 2.4 | 3.5 | 1.8 |
| 1830 | POINTE-SAPIN | +4 | 46 59 | 64 49 | −1 22 | +0.9 | +1.1 | −1 29 | +0.2 | +0.1 | 3.0 | 4.6 | 2.2 |
| | | | | | | on *sur* SHEDIAC BAY, pages 10-13 | | | | | | | |
| | NORTH SHORE | | | | | | | | | | | | |
| 1835 | CAPE EGMONT | +4 | 46 24 | 64 08 | +0 09 | −0.7 | −0.7 | +1 43 | −1.0 | −1.1 | 3.0 | 5.2 | 2.6 |
| 1845 | WEST POINT | +4 | 46 37 | 64 23 | +2 07 | −1.0 | −1.7 | +2 24 | −0.8 | −1.0 | 2.5 | 4.0 | 2.2 |
| | | | | | | on *sur* RUSTICO, pages 14-17 | | | | | | | |
| 1855 | MIMINEGASH | +4 | 46 53 | 64 14 | −1 02 | +0.7 | +0.7 | −1 14 | +0.4 | +0.5 | 2.6 | 3.8 | 2.1 |
| | **AREA 5 / RÉGION 5**<br>**PRINCE EDWARD ISLAND AND ILES DE LA MADELEINE** | | | | | | | | | | | | |
| | | | | | | on *sur* ESCUMINAC, pages 18-21 | | | | | | | |
| | NORTH SHORE, P.E.I. | | | | | | | | | | | | |
| 1865 | NORTH POINT | +4 | 47 04 | 63 59 | +0 20 | −0.5 | −0.7 | +0 26 | 0.0 | 0.0 | 2.7 | 3.9 | 2.0 |
| | | | | | | on *sur* RUSTICO, pages 14-17 | | | | | | | |
| 1875 | TIGNISH | +4 | 46 57 | 64 00 | −1 06 | +0.4 | +0.4 | −1 23 | 0.0 | +0.1 | 2.7 | 3.9 | 1.7 |
| 1885 | ALBERTON | +4 | 46 48 | 64 04 | +0 01 | +0.1 | 0.0 | +0 13 | +0.2 | +0.5 | 2.2 | 3.2 | 1.7 |
| 1905 | MALPEQUE | +4 | 46 32 | 63 42 | +0 46 | +0.3 | +0.3 | +0 48 | +0.1 | +0.3 | 2.5 | 3.6 | 1.8 |
| 1925 | SAVAGE HARBOUR | +4 | 46 26 | 62 51 | +0 46 | −1.1 | −1.4 | +0 34 | −0.6 | −0.6 | 1.8 | 2.7 | 0.9 |
| 1935 | ST. PETERS BAY | +4 | 46 26 | 62 44 | +0 36 | −0.3 | −0.5 | +0 37 | +0.1 | +0.1 | 1.9 | 3.0 | 1.6 |
| 1945 | NAUFRAGE | +4 | 46 28 | 62 25 | +0 56 | +0.3 | +0.3 | +0 42 | +0.2 | +0.1 | 2.4 | 3.7 | 2.0 |
| 1955 | NORTH LAKE HARBOUR | +4 | 46 28 | 62 04 | +1 11 | +1.0 | +0.9 | +0 41 | +1.0 | +0.8 | 2.3 | 3.6 | 2.9 |

TABLE 3 Cont'd/*Suite*
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* LAT. N. / *LAT. N.* | LONG. W. / *LONG. O.* | DIFFERENCES / *DIFFÉRENCES* HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | LOWER LOW WATER / *BASSE MER INFÉRIEURE* TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | RANGE / *MARNAGE* MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ° ′ | ° ′ | h. m. | ft. pi. | ft. pi. | h. m. | ft. pi. | ft. pi. | ft. pi. | ft. pi. | ft. pi. |
| | **AREA / *RÉGION* 5** **PRINCE EDWARD ISLAND AND ILES DE LA MADELEINE** **Cont'd/*Suite*** | | | | | | | | | | | | |
| | ILES DE LA MADELEINE | | | | | on *sur* PICTOU, pages 2-5 | | | | | | | |
| 1964 | HAVRE AUBERT | -4 | 47 14 | 61 50 | -0 14 | -2.1* | -2.8* | -0 03 | -0.3* | -0.1* | 2.3 | 3.5 | 2.4 |
| 1970 | CAP-AUX-MEULES | -4 | 47 23 | 61 52 | -0 11 | -2.3* | -3.1* | -0 04 | -0.5* | -0.1* | 2.2 | 3.4 | 2.1 |
| 1985 | GRANDE-ENTREE | -4 | 47 33 | 61 33 | -0 02 | -2.7* | -3.4* | -0 20 | -0.7* | -0.1* | 1.9 | 3.1 | 1.8 |
| | **AREA / *RÉGION* 6** **GULF OF ST. LAWRENCE WEST** | | | | | on *sur* ESCUMINAC, pages 18-21 | | | | | | | |
| | MIRAMICHI BAY | | | | | | | | | | | | |
| 2010 | PORTAGE ISLAND | -4 | 47 10 | 65 03 | -0 37 | -0.1 | -0.1 | -0 33 | -0.2 | -0.3 | 3.5 | 5.0 | 2.2 |
| 2020 | LOWER NEGUAC | -4 | 47 15 | 65 03 | -0 22 | -0.3 | 0.0 | -0 51 | -0.2 | -0.1 | 3.7 | 4.7 | 2.4 |
| 2025 | BURNT CHURCH | -4 | 47 12 | 65 08 | -0 36 | -0.1 | -0.1 | -1 05 | -0.2 | 0.0 | 3.2 | 4.7 | 2.3 |
| 2030 | OAK POINT | -4 | 47 07 | 65 16 | -0 35 | -0.6 | -0.7 | -0 56 | -0.3 | -0.1 | 4.1 | 5.4 | 2.4 |
| 2035 | CHATHAM | -4 | 47 02 | 65 27 | -1 39 | -0.5 | -0.7 | -1 55 | -0.3 | -0.3 | 4.0 | 5.6 | 2.3 |
| 2040 | NEWCASTLE | -4 | 47 00 | 65 34 | -1 48 | -0.5 | -0.8 | -2 09 | -0.7 | -0.7 | 4.4 | 6.2 | 2.1 |
| 2045 | MILLERTON | -4 | 46 54 | 65 38 | -1 56 | -1.0 | -1.1 | -3 03 | 0.0 | -0.3 | 4.2 | 6.2 | |
| 2050 | CASSILIS | -4 | 46 57 | 65 46 | -2 06 | -1.3 | -1.5 | -3 18 | 0.0 | -0.3 | 4.5 | 6.6 | |
| | WEST SHORE | | | | | | | | | | | | |
| 2060 | TRACADIE | -4 | 47 31 | 64 52 | -0 17 | -0.3 | -0.6 | -0 15 | -0.3 | 0.0 | 2.6 | 4.0 | 2.2 |

*DURING PERIODS OF SMALL TIDAL RANGE THE HEIGHT DIFFERENCES SHOULD BE COMPUTED AS DESCRIBED IN PARA. 6 (c) PAGE viii.

*DURANT LES PERIODES OU LE MARNAGE DE LA MARÉE EST FAIBLE, LES DIFFÉRENCES DE HAUTEUR DOIVENT ÊTRE CALCULÉES COMME DÉCRIT AU PARAGRAPHE 6 (c), PAGE xiv.

TABLE 3 Cont'd/*Suite*
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION LAT. N. | POSITION LONG. W. / LONG. O. | DIFFERENCES HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE TIME / HEURE | HIGHER HIGH WATER MEAN TIDE / MARÉE MOYENNE | HIGHER HIGH WATER LARGE TIDE / GRANDE MARÉE | DIFFERENCES LOWER LOW WATER / BASSE MER INFÉRIEURE TIME / HEURE | LOWER LOW WATER MEAN TIDE / MARÉE MOYENNE | LOWER LOW WATER LARGE TIDE / GRANDE MARÉE | RANGE MEAN TIDE / MARNAGE MARÉE MOYENNE | RANGE LARGE TIDE / MARNAGE GRANDE MARÉE | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | h. m | ft. pi. | ft. pi. | h. m | ft. pi. | ft. pi. | ft. pi. | ft. pi. | ft. pi. |
| | **AREA 6 / RÉGION 6** | | | | | | | | | | | | |
| | **GULF OF ST. LAWRENCE WEST** Cont'd/*Suite* | | | | | | | | | | | | |
| 2070 | SHIPPEGAN GULLY | +4 | 47 43 | 64 40 | +1 51 | −0.7 | −0.7 | +2 12 | −0.5 | 0.0 | 3.4 | 4.9 | 1.9 |
| 2071 | SHIPPEGAN | +4 | 47 45 | 64 42 | +1 50 | +1.0 | +1.2 | +1 49 | −0.2 | 0.0 | 4.8 | 6.7 | 2.8 |
| | CHALEUR BAY | | | | | | | | | | | | |
| 2090 | MISCOU | +4 | 47 54 | 64 35 | +1 52 | +0.6 | +0.6 | +1 39 | −0.2 | 0.0 | 4.4 | 6.3 | 2.6 |
| 2110 | CARAQUET | +4 | 47 48 | 64 56 | +1 34 | +1.0 | +1.4 | +1 33 | −0.1 | −0.4 | 4.7 | 7.0 | 2.9 |
| 2120 | STONEHAVEN | +4 | 47 45 | 65 22 | +1 32 | +1.7 | +2.1 | +1 19 | 0.0 | −0.3 | 5.2 | 7.6 | 3.2 |
| 2130 | BATHURST | +4 | 47 37 | 65 39 | +1 53 | +1.6 | +2.1 | +2 23 | −0.1 | −0.3 | 5.3 | 7.6 | 3.1 |
| 2145 | BELLEDUNE | +4 | 47 54 | 65 51 | +1 30 | +2.5 | +3.2 | +1 17 | +0.4 | −0.1 | 5.7 | 8.5 | 3.8 |
| 2165 | DALHOUSIE | +4 | 48 04 | 66 23 | +1 40 | +4.0 | +4.7 | +1 28 | +0.9 | +0.2 | 6.7 | 9.7 | 4.7 |
| 2175 | CAMPBELLTON | +4 | 48 01 | 66 40 | +2 15 | +5.6 | +6.7 | +2 22 | +1.9 | +1.2 | 7.3 | 10.7 | 6.1 |
| 2200 | CARLETON-CENTRE | +5 | 48 06 | 66 08 | +0 37 | +2.8 | +3.3 | +0 16 | +0.2 | 0.0 | 6.3 | 8.9 | 3.8 |
| 2215 | POINTE HOWATSON | +5 | 48 08 | 65 50 | +0 36 | +2.5 | +3.0 | +0 25 | +0.5 | +0.4 | 5.7 | 8.1 | 3.9 |
| 2235 | PASPEBIAC | +5 | 48 01 | 65 14 | +0 26 | +1.6 | +1.8 | +0 19 | +0.1 | +0.2 | 5.1 | 7.1 | 3.2 |
| 2260 | PORT-DANIEL | +5 | 48 11 | 64 57 | +0 29 | +0.7 | +0.8 | +0 25 | 0.0 | +0.3 | 4.2 | 6.1 | 2.8 |
| 2279 | GRANDE-RIVIERE | +5 | 48 24 | 64 30 | +0 17 | +0.1 | +0.2 | +0 03 | +0.3 | 0.0 | 3.4 | 5.7 | 2.5 |
| 2290 | CAP D'ESPOIR | +5 | 48 25 | 64 20 | +0 12 | −0.2 | −0.5 | +0 11 | −0.1 | 0.0 | 3.6 | 5.2 | 2.2 |
| | PENINSULE DE LA GASPESIE | | | | | | | | | | | | |
| 2319 | SANDY BEACH CENTRE | +5 | 48 50 | 64 27 | +0 07 | +0.6 | +0.4 | +0 04 | +0.3 | +0.6 | 3.8 | 5.5 | 2.6 |
| 2320 | GASPE | +5 | 48 50 | 64 29 | −0 07 | +0.9 | +0.8 | −0 15 | +0.7 | +1.0 | 3.8 | 5.5 | 3.2 |
| 2330 | RIVIERE-AU-RENARD | +5 | 49 00 | 64 23 | −0 14 | +2.1 | +2.5 | −0 26 | +0.7 | +0.4 | 5.0 | 7.3 | 3.7 |
| 2340 | CLORIDORME | +5 | 49 11 | 64 50 | −0 02 | +3.0 | +3.5 | −0 17 | +0.9 | +0.4 | 5.6 | 8.3 | 4.2 |
| 2350 | GRANDE-VALLEE | +5 | 49 14 | 65 08 | −0 02 | +2.9 | +3.7 | −0 05 | +0.7 | +0.2 | 5.8 | 8.6 | 4.2 |
| | **AREA 7 / RÉGION 7** | | | | | | | | | | | | |
| | **ILE D'ANTICOSTI** | | | | | | | | | | | | |
| | SOUTH SHORE | | | | | | | | | | | | |
| 2360 | PORT-MENIER | +5 | 49 49 | 64 22 | −0 17 | +2.1 | +2.8 | −0 35 | 0.0 | −0.7 | 5.7 | 8.7 | 3.5 |
| 2375 | POINTE DU SUD-OUEST | +5 | 49 24 | 63 36 | −0 55 | +1.8 | +2.0 | −0 49 | +0.5 | +0.3 | 4.7 | 6.8 | 3.4 |
| | | | | | on/*sur* HARRINGTON HARBOUR, pages 26-29 | | | | | | | | |
| 2410 | POINTE HEATH | +4 | 49 05 | 61 42 | +0 58 | −1.8 | −2.2 | +0 33 | −0.2 | +0.2 | 3.2 | 5.0 | 2.4 |
| | NORTH SHORE | | | | | | | | | | | | |
| 2460 | CAP DE RABAST | +5 | 49 57 | 64 09 | +2 18 | −0.1 | +0.1 | +2 34 | −0.4 | 0.0 | 5.1 | 7.5 | 3.0 |

TABLE 3 Cont'd/*Suite*
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFÉRENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | | | h. m. | ft. pi. | ft. pi. | h. m. | ft. pi. | ft. pi. | ft. p.. | ft. pi. | ft. pi. |
| | **AREA 8** / *RÉGION* **8** | | | | on *sur* HARRINGTON HARBOUR, pages 26-29 | | | | | | | | |
| | **GULF OF ST. LAWRENCE NORTH** | | | | | | | | | | | | |
| | DETROIT DE JACQUES-CARTIER | | | | | | | | | | | | |
| 2470 | MINGAN | +5 | 50 17 | 64 01 | +1 30 | +0.8 | +1.2 | +1 48 | +0.1 | +0.4 | 5.5 | 8.2 | 3.8 |
| 2480 | HAVRE-SAINT-PIERRE | +5 | 50 14 | 63 36 | +1 14 | 0.0 | +0.2 | +1 15 | -0.1 | -0.1 | 4.9 | 7.8 | 3.2 |
| 2490 | BAIE JOHAN-BEETZ | +4 | 50 17 | 62 48 | +1 26 | -1.6 | -1.7 | +1 27 | -0.8 | -0.6 | 4.0 | 6.3 | 2.1 |
| 2510 | NATASHQUAN | +4 | 50 11 | 61 50 | +0 59 | -0.9 | -1.0 | +1 06 | -0.3 | -0.1 | 4.2 | 6.5 | 2.7 |
| | NORTH SHORE | | | | | | | | | | | | |
| 2530 | GETHSEMANI | +4 | 50 13 | 60 41 | +0 30 | -0.9 | -1.0 | +0 45 | +0.4 | +0.6 | 3.5 | 5.8 | 3.2 |
| 2558 | LA TABATIERE | +4 | 50 50 | 58 58 | +0 05 | +0.6 | +0.6 | +0 02 | +0.2 | +0.2 | 5.1 | 7.9 | 3.9 |
| 2585 | BAIE DE BRADOR | +4 | 51 28 | 57 16 | -0 44 | -0.6 | -0.6 | -0 14 | 0.0 | -0.2 | 4.2 | 6.5 | 3.2 |
| | STR. OF BELLE ISLE NORTH | | | | | | | | | | | | |
| 2590 | FORTEAU | +3½ | 51 27 | 56 53 | -0 36 | -1.4 | -1.7 | -0 22 | -0.1 | +0.3 | 3.5 | 5.3 | 2.8 |
| 2595 | WEST ST. MODESTE | +3½ | 51 36 | 56 42 | -1 35 | -2.1 | -2.3 | -1 13 | -0.2 | +0.3 | 2.9 | 4.5 | 2.3 |
| 2600 | RED BAY | +3½ | 51 43 | 56 25 | -2 30 | -2.3 | -2.7 | -2 00 | -0.2 | +0.5 | 2.7 | 3.9 | 2.2 |

TABLE 3 Cont'd/*Suite*
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION LAT. N. | POSITION / POSITION LONG. W. / LONG. O. | DIFFERENCES / DIFFÉRENCES HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE TIME / HEURE | HIGHER HIGH WATER MEAN TIDE / MARÉE MOYENNE | HIGHER HIGH WATER LARGE TIDE / GRANDE MARÉE | LOWER LOW WATER TIME / HEURE | LOWER LOW WATER MEAN TIDE / MARÉE MOYENNE | LOWER LOW WATER LARGE TIDE / GRANDE MARÉE | RANGE / MARNAGE MEAN TIDE / MARÉE MOYENNE | RANGE / MARNAGE LARGE TIDE / GRANDE MARÉE | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ° ′ | ° ′ | h. m. | ft. pi. | ft. pi. | h. m. | ft. pi. | ft. pi. | ft. pi. | ft. pi. | ft. pi. |
| | **AREA 9 / RÉGION 9** **GULF OF ST. LAWRENCE EAST** | | | | on *sur* HARRINGTON-HARBOUR, pages 26-29 | | | | | | | | |
| | EAST SHORE | | | | | | | | | | | | |
| 2633 | SAVAGE COVE | +3½ | 51 20 | 56 42 | +0 07 | -1.8 | -2.3 | -0 14 | 0.0 | +0.4 | 3.1 | 4.5 | 2.7 |
| 2635 | FLOWERS COVE | +3½ | 51 18 | 56 44 | +0 10 | -1.8 | -2.4 | -0 07 | 0.0 | +0.5 | 3.0 | 4.3 | 2.7 |
| 2650 | PORT SAUNDERS | +3½ | 50 39 | 57 18 | +0 06 | -0.3 | -0.4 | -0 03 | -0.3 | -0.4 | 4.8 | 7.4 | 3.3 |
| 2670 | NORRIS COVE | +3½ | 49 31 | 57 52 | +0 04 | -0.2 | -0.4 | +0 10 | +0.1 | +0.3 | 4.5 | 6.7 | 3.5 |
| | BAY OF ISLANDS | | | | | | | | | | | | |
| 2680 | CORNER BROOK | +3½ | 48 57 | 57 57 | +0 13 | -0.4 | -0.6 | +0 18 | +0.2 | +0.4 | 4.2 | 6.4 | 3.4 |
| 2685 | LARK HARBOUR | +3½ | 49 06 | 58 22 | +0 14 | -0.3 | -0.4 | +0 01 | 0.0 | 0.0 | 4.6 | 7.0 | 3.4 |
| | PORT AU PORT BAY | | | | | | | | | | | | |
| 2695 | FOX ISLAND | +3½ | 48 44 | 58 42 | +0 04 | -1.1 | -1.4 | +0 02 | -0.7 | -0.6 | 4.4 | 6.6 | 2.6 |
| | ST. GEORGE'S BAY | | | | | | | | | | | | |
| 2710 | PORT HARMON | +3½ | 48 32 | 58 32 | -0 06 | -1.5 | -1.8 | -0 08 | -0.3 | 0.0 | 3.6 | 5.5 | 2.7 |
| 2720 | ST. GEORGE'S | +3½ | 48 26 | 58 29 | -0 22 | -1.5 | -1.8 | -0 21 | -0.1 | +0.2 | 3.4 | 5.1 | 2.8 |

**ADDITIONAL INFORMATION (SEE CANADIAN NOTICES TO MARINERS, WEEKLY EDITION NO. 46)**
***RENSEIGNEMENTS SUPPLÉMENTAIRES (VOIR AVIS CANADIENS AUX NAVIGATEURS, ÉDITION HEBDOMADAIRE NO. 46)***

# Daily Tables Tables quotidiennes

# PICTOU (AST 2:4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0420 | **4.7** | 1 | 4 | | 16 | 0510 | **5.1** | 1 | 6 | |
| | 0930 | **3.5** | 1 | 1 | | | 1015 | **3.3** | 1 | 0 | |
| SU | 1605 | **5.6** | 1 | 7 | | MO | 1645 | **5.8** | 1 | 8 | |
| DI | 2305 | **2.8** | | 9 | | LU | 2340 | **2.0** | | 6 | |
| 2 | 0545 | **4.8** | 1 | 4 | | 17 | 0635 | **5.0** | 1 | 5 | |
| | 1010 | **3.8** | 1 | 2 | | | 1115 | **3.7** | 1 | 1 | |
| MO | 1640 | **5.7** | 1 | 7 | | TU | 1740 | **5.9** | 1 | 8 | |
| LU | | | | | | MA | | | | | |
| 3 | 0010 | **2.5** | | 8 | | 18 | 0055 | **1.7** | | 5 | |
| | 0700 | **4.8** | 1 | 4 | | | 0750 | **4.9** | 1 | 5 | |
| TU | 1100 | **4.0** | 1 | 2 | | WE | 1220 | **3.9** | 1 | 2 | |
| MA | 1730 | **5.9** | 1 | 8 | | ME | 1840 | **6.0** | 1 | 8 | |
| 4 | 0105 | **2.2** | | 7 | | 19 | 0200 | **1.4** | | 4 | |
| | 0800 | **4.7** | 1 | 4 | | | 0900 | **5.0** | 1 | 5 | |
| WE | 1200 | **4.1** | 1 | 2 | | TH | 1325 | **4.0** | 1 | 2 | |
| ME | 1825 | **6.0** | 1 | 8 | | JE | 1940 | **6.2** | 1 | 9 | |
| 5 | 0155 | **2.0** | | 6 | | 20 | 0300 | **1.3** | | 4 | |
| | 0850 | **4.8** | 1 | 5 | | | 1000 | **5.0** | 1 | 5 | |
| TH | 1305 | **4.1** | 1 | 2 | | FR | 1425 | **3.9** | 1 | 2 | |
| JE | 1920 | **6.1** | 1 | 9 | | VE | 2035 | **6.3** | 1 | 9 | |
| 6 | 0240 | **1.7** | | 5 | | 21 | 0350 | **1.2** | | 4 | |
| | 0940 | **5.0** | 1 | 5 | | | 1045 | **5.1** | 1 | 6 | |
| FR | 1405 | **4.1** | 1 | 2 | | SA | 1520 | **3.7** | 1 | 1 | |
| VE | 2005 | **6.2** | 1 | 9 | | SA | 2125 | **6.3** | 1 | 9 | |
| 7 | 0325 | **1.3** | | 4 | | 22 | 0430 | **1.2** | | 4 | |
| | 1030 | **5.3** | 1 | 6 | | | 1120 | **5.2** | 1 | 6 | |
| SA | 1500 | **4.1** | 1 | 2 | | SU | 1610 | **3.5** | 1 | 1 | |
| SA | 2050 | **6.3** | 1 | 9 | | DI | 2215 | **6.3** | 1 | 9 | |
| 8 | 0405 | **1.0** | | 3 | | 23 | 0510 | **1.4** | | 4 | |
| | 1115 | **5.5** | 1 | 7 | | | 1150 | **5.3** | 1 | 6 | |
| SU | 1550 | **4.0** | 1 | 2 | | MO | 1650 | **3.4** | 1 | 0 | |
| DI | 2135 | **6.4** | 2 | 0 | | LU | 2300 | **6.1** | 1 | 9 | |
| 9 | 0445 | **.8** | | 2 | | 24 | 0540 | **1.6** | | 5 | |
| | 1200 | **5.7** | 1 | 7 | | | 1220 | **5.4** | 1 | 6 | |
| MO | 1640 | **3.9** | 1 | 2 | | TU | 1735 | **3.2** | 1 | 0 | |
| LU | 2225 | **6.4** | 2 | 0 | | MA | 2340 | **5.9** | 1 | 8 | |
| 10 | 0530 | **.6** | | 2 | | 25 | 0610 | **1.9** | | 6 | |
| | 1240 | **5.9** | 1 | 8 | | | 1250 | **5.5** | 1 | 7 | |
| TU | 1730 | **3.8** | 1 | 2 | | WE | 1810 | **3.0** | | 9 | |
| MA | 2315 | **6.3** | 1 | 9 | | ME | | | | | |
| 11 | 0610 | **.7** | | 2 | | 26 | 0020 | **5.7** | 1 | 7 | |
| | 1320 | **5.9** | 1 | 8 | | | 0640 | **2.2** | | 7 | |
| WE | 1820 | **3.6** | 1 | 1 | | TH | 1315 | **5.5** | 1 | 7 | |
| ME | | | | | | JE | 1850 | **2.9** | | 9 | |
| 12 | 0010 | **6.2** | 1 | 9 | | 27 | 0100 | **5.4** | 1 | 6 | |
| | 0655 | **1.0** | | 3 | | | 0710 | **2.6** | | 8 | |
| TH | 1400 | **5.9** | 1 | 8 | | FR | 1340 | **5.5** | 1 | 7 | |
| JE | 1910 | **3.3** | 1 | 0 | | VE | 1930 | **2.8** | | 9 | |
| 13 | 0110 | **5.9** | 1 | 8 | | 28 | 0145 | **5.2** | 1 | 6 | |
| | 0740 | **1.5** | | 5 | | | 0735 | **3.0** | | 9 | |
| FR | 1435 | **5.8** | 1 | 8 | | SA | 1400 | **5.5** | 1 | 7 | |
| VE | 2005 | **3.0** | | 9 | | SA | 2010 | **2.7** | | 8 | |
| 14 | 0215 | **5.8** | 1 | 7 | | 29 | 0235 | **4.9** | 1 | 5 | |
| | 0830 | **2.1** | | 6 | | | 0805 | **3.4** | 1 | 0 | |
| SA | 1515 | **5.8** | 1 | 8 | | SU | 1425 | **5.6** | 1 | 7 | |
| SA | 2105 | **2.6** | | 8 | | DI | 2100 | **2.7** | | 8 | |
| 15 | 0335 | **5.3** | 1 | 6 | | 30 | 0340 | **4.6** | 1 | 4 | |
| | 0920 | **2.7** | | 8 | | | 0835 | **3.6** | 1 | 1 | |
| SU | 1555 | **5.7** | 1 | 7 | | MO | 1455 | **5.6** | 1 | 7 | |
| DI | 2215 | **2.3** | | 7 | | LU | 2205 | **2.8** | | 8 | |
| | | | | | | 31 | 0510 | **4.4** | 1 | 3 | |
| | | | | | | | 0910 | **3.9** | 1 | 2 | |
| | | | | | | TU | 1535 | **5.6** | 1 | 7 | |
| | | | | | | MA | 2325 | **2.5** | | 8 | |

### FEBRUARY-FEVRIER

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0630 | **4.4** | 1 | 3 | | 16 | 0045 | **1.7** | | 5 | |
| | 0955 | **4.0** | 1 | 2 | | | 0750 | **4.7** | 1 | 4 | |
| WE | 1630 | **5.7** | 1 | 7 | | TH | 1205 | **4.0** | 1 | 2 | |
| ME | | | | | | JE | 1825 | **5.7** | 1 | 7 | |
| 2 | 0035 | **2.3** | | 7 | | 17 | 0155 | **1.6** | | 5 | |
| | 07J5 | **4.5** | 1 | 4 | | | 0900 | **4.7** | 1 | 4 | |
| TH | 1110 | **4.1** | 1 | 2 | | FR | 1315 | **3.9** | 1 | 2 | |
| JE | 1740 | **5.8** | 1 | 8 | | VE | 1935 | **5.9** | 1 | 8 | |
| 3 | 0130 | **2.1** | | 6 | | 18 | 0250 | **1.6** | | 5 | |
| | 0835 | **4.7** | 1 | 4 | | | 0945 | **4.8** | 1 | 5 | |
| FR | 1235 | **4.2** | 1 | 3 | | SA | 1420 | **3.7** | 1 | 1 | |
| VE | 1850 | **5.9** | 1 | 8 | | SA | 2030 | **5.9** | 1 | 8 | |
| 4 | 0220 | **1.7** | | 5 | | 19 | 0335 | **1.6** | | 5 | |
| | 0925 | **5.0** | 1 | 5 | | | 1015 | **5.0** | 1 | 5 | |
| SA | 1345 | **4.1** | 1 | 2 | | SU | 1515 | **3.3** | 1 | 0 | |
| SA | 1945 | **6.0** | 1 | 8 | | DI | 2125 | **6.0** | 1 | 8 | |
| 5 | 0305 | **1.3** | | 4 | | 20 | 0410 | **1.7** | | 5 | |
| | 1005 | **5.3** | 1 | 6 | | | 1040 | **5.1** | 1 | 6 | |
| SU | 1450 | **3.9** | 1 | 2 | | MO | 1555 | **3.0** | | 9 | |
| DI | 2040 | **6.2** | 1 | 9 | | LU | 2210 | **5.9** | 1 | 8 | |
| 6 | 0345 | **1.0** | | 3 | | 21 | 0440 | **1.9** | | 6 | |
| | 1045 | **5.6** | 1 | 7 | | | 1105 | **5.3** | 1 | 6 | |
| MO | 1540 | **3.6** | 1 | 1 | | TU | 1635 | **2.7** | | 8 | |
| LU | 2135 | **6.3** | 1 | 9 | | MA | 2250 | **5.8** | 1 | 8 | |
| 7 | 0425 | **.8** | | 2 | | 22 | 0510 | **2.1** | | 6 | |
| | 1125 | **5.8** | 1 | 8 | | | 1130 | **5.4** | 1 | 6 | |
| TU | 1630 | **3.2** | 1 | 0 | | WE | 1710 | **2.5** | | 8 | |
| MA | 2230 | **6.4** | 2 | 0 | | ME | 2325 | **5.7** | 1 | 7 | |
| 8 | 0505 | **.8** | | 2 | | 23 | 0535 | **2.4** | | 7 | |
| | 1200 | **5.9** | 1 | 8 | | | 1155 | **5.5** | 1 | 7 | |
| WE | 1715 | **2.9** | | 9 | | TH | 1740 | **2.3** | | 7 | |
| ME | 2320 | **6.4** | 2 | 0 | | JE | | | | | |
| 9 | 0550 | **1.0** | | 3 | | 24 | 0005 | **5.6** | 1 | 7 | |
| | 1235 | **6.0** | 1 | 8 | | | 0600 | **2.7** | | 8 | |
| TH | 1800 | **2.5** | | 8 | | FR | 1215 | **5.5** | 1 | 7 | |
| JE | | | | | | VE | 1815 | **2.2** | | 7 | |
| 10 | 0015 | **6.2** | 1 | 9 | | 25 | 0040 | **5.4** | 1 | 6 | |
| | 0630 | **1.4** | | 4 | | | 0620 | **3.0** | | 9 | |
| FR | 1310 | **5.9** | 1 | 8 | | SA | 1235 | **5.5** | 1 | 7 | |
| VE | 1845 | **2.2** | | 7 | | SA | 1845 | **2.1** | | 6 | |
| 11 | 0110 | **6.0** | 1 | 8 | | 26 | 0120 | **5.1** | 1 | 6 | |
| | 0715 | **2.0** | | 6 | | | 0645 | **3.3** | 1 | 0 | |
| SA | 1345 | **5.8** | 1 | 8 | | SU | 1255 | **5.6** | 1 | 7 | |
| SA | 1935 | **2.0** | | 6 | | DI | 1925 | **2.1** | | 6 | |
| 12 | 0215 | **5.6** | 1 | 7 | | 27 | 0205 | **4.8** | 1 | 5 | |
| | 0755 | **2.6** | | 8 | | | 0715 | **3.5** | 1 | 1 | |
| SU | 1420 | **5.8** | 1 | 8 | | MO | 1320 | **5.6** | 1 | 7 | |
| DI | 2035 | **1.9** | | 6 | | LU | 2010 | **2.2** | | 7 | |
| 13 | 0330 | **5.2** | 1 | 6 | | 28 | 0305 | **4.6** | 1 | 4 | |
| | 0845 | **3.2** | 1 | 0 | | | 0740 | **3.7** | 1 | 1 | |
| MO | 1500 | **5.7** | 1 | 7 | | TU | 1355 | **5.6** | 1 | 7 | |
| LU | 2155 | **1.9** | | 6 | | MA | 2110 | **2.3** | | 7 | |
| 14 | 0505 | **4.9** | 1 | 5 | | | | | | | |
| | 0940 | **3.6** | 1 | 1 | | | | | | | |
| TU | 1600 | **5.6** | 1 | 7 | | | | | | | |
| MA | 2325 | **1.8** | | 5 | | | | | | | |
| 15 | 0630 | **4.7** | 1 | 4 | | | | | | | |
| | 1050 | **3.9** | 1 | 2 | | | | | | | |
| WE | 1710 | **5.7** | 1 | 7 | | | | | | | |
| ME | | | | | | | | | | | |

### MARCH-MARS

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0435 | **4.4** | 1 | 3 | | 16 | 0615 | **4.5** | 1 | 4 | |
| | 0810 | **3.9** | 1 | 2 | | | 1020 | **3.9** | 1 | 2 | |
| WE | 1435 | **5.6** | 1 | 7 | | TH | 1640 | **5.4** | 1 | 6 | |
| ME | 2230 | **2.3** | | 7 | | JE | | | | | |
| 2 | 0600 | **4.3** | 1 | 3 | | 17 | 0015 | **1.8** | | 5 | |
| | 0900 | **4.0** | 1 | 2 | | | 0730 | **4.5** | 1 | 4 | |
| TH | 1525 | **5.5** | 1 | 7 | | FR | 1145 | **3.9** | 1 | 2 | |
| JE | 2345 | **2.2** | | 7 | | VE | 1805 | **5.4** | 1 | 6 | |
| 3 | 0710 | **4.4** | 1 | 3 | | 18 | 0125 | **1.9** | | 6 | |
| | 1035 | **4.2** | 1 | 3 | | | 0825 | **4.6** | 1 | 4 | |
| FR | 1645 | **5.5** | 1 | 7 | | SA | 1305 | **3.6** | 1 | 1 | |
| VE | | | | | | SA | 1915 | **5.4** | 1 | 6 | |
| 4 | 0050 | **1.9** | | 6 | | 19 | 0220 | **2.0** | | 6 | |
| | 0805 | **4.7** | 1 | 4 | | | 0855 | **4.8** | 1 | 5 | |
| SA | 1215 | **4.1** | 1 | 2 | | SU | 1405 | **3.2** | 1 | 0 | |
| SA | 1815 | **5.6** | 1 | 7 | | DI | 2020 | **5.5** | 1 | 7 | |
| 5 | 0140 | **1.6** | | 5 | | 20 | 0300 | **2.1** | | 6 | |
| | 0850 | **5.0** | 1 | 5 | | | 0920 | **5.0** | 1 | 5 | |
| SU | 1335 | **3.8** | 1 | 2 | | MO | 1455 | **2.8** | | 9 | |
| DI | 1925 | **5.7** | 1 | 7 | | LU | 2110 | **5.5** | 1 | 7 | |
| 6 | 0230 | **1.4** | | 4 | | 21 | 0330 | **2.3** | | 7 | |
| | 0925 | **5.3** | 1 | 6 | | | 0945 | **5.2** | 1 | 6 | |
| MO | 1435 | **3.4** | 1 | 0 | | TU | 1535 | **2.4** | | 7 | |
| LU | 2030 | **5.9** | 1 | 8 | | MA | 2155 | **5.5** | 1 | 7 | |
| 7 | 0315 | **1.2** | | 4 | | 22 | 0355 | **2.5** | | 8 | |
| | 1000 | **5.6** | 1 | 7 | | | 1010 | **5.4** | 1 | 6 | |
| TU | 1525 | **2.8** | | 9 | | WE | 1605 | **2.0** | | 6 | |
| MA | 2130 | **6.1** | 1 | 9 | | ME | 2230 | **5.5** | 1 | 7 | |
| 8 | 0355 | **1.1** | | 3 | | 23 | 0425 | **2.7** | | 8 | |
| | 1035 | **5.9** | 1 | 8 | | | 1030 | **5.5** | 1 | 7 | |
| WE | 1610 | **2.2** | | 7 | | TH | 1640 | **1.8** | | 5 | |
| ME | 2225 | **6.2** | 1 | 9 | | JE | 2310 | **5.5** | 1 | 7 | |
| 9 | 0435 | **1.2** | | 4 | | 24 | 0445 | **2.9** | | 9 | |
| | 1110 | **6.0** | 1 | 8 | | | 1055 | **5.6** | 1 | 7 | |
| TH | 1655 | **1.7** | | 5 | | FR | 1710 | **1.6** | | 5 | |
| JE | 2315 | **6.3** | 1 | 9 | | VE | 2345 | **5.4** | 1 | 6 | |
| 10 | 0520 | **1.5** | | 5 | | 25 | 0510 | **3.1** | | 9 | |
| | 1145 | **6.0** | 1 | 8 | | | 1115 | **5.6** | 1 | 7 | |
| FR | 1735 | **1.3** | | 4 | | SA | 1740 | **1.5** | | 5 | |
| VE | | | | | | SA | | | | | |
| 11 | 0005 | **6.1** | 1 | 9 | | 26 | 0020 | **5.2** | 1 | 6 | |
| | 0600 | **2.0** | | 6 | | | 0540 | **3.2** | 1 | 0 | |
| SA | 1215 | **6.0** | 1 | 8 | | SU | 1140 | **5.7** | 1 | 7 | |
| SA | 1820 | **1.1** | | 3 | | DI | 1810 | **1.5** | | 5 | |
| 12 | 0100 | **5.8** | 1 | 8 | | 27 | 0100 | **5.0** | 1 | 5 | |
| | 0640 | **2.5** | | 8 | | | 0605 | **3.4** | 1 | 0 | |
| SU | 1250 | **5.9** | 1 | 8 | | MO | 1205 | **5.7** | 1 | 7 | |
| DI | 1910 | **1.1** | | 3 | | LU | 1850 | **1.6** | | 5 | |
| 13 | 0205 | **5.4** | 1 | 6 | | 28 | 0150 | **4.8** | 1 | 5 | |
| | 0720 | **3.0** | | 9 | | | 0630 | **3.6** | 1 | 1 | |
| MO | 1330 | **5.8** | 1 | 8 | | TU | 1235 | **5.7** | 1 | 7 | |
| LU | 2010 | **1.3** | | 4 | | MA | 1935 | **1.7** | | 5 | |
| 14 | 0330 | **5.0** | 1 | 5 | | 29 | 0255 | **4.8** | 1 | 4 | |
| | 0805 | **3.5** | 1 | 1 | | | 0700 | **3.8** | 1 | 2 | |
| TU | 1410 | **5.7** | 1 | 7 | | WE | 1305 | **5.7** | 1 | 7 | |
| MA | 2130 | **1.6** | | 5 | | ME | 2030 | **1.8** | | 5 | |
| 15 | 0455 | **4.7** | 1 | 4 | | 30 | 0415 | **4.4** | 1 | 3 | |
| | 0905 | **3.8** | 1 | 2 | | | 0740 | **3.9** | 1 | 2 | |
| WE | 1510 | **5.5** | 1 | 7 | | TH | 1345 | **5.6** | 1 | 7 | |
| ME | 2300 | **1.7** | | 5 | | JE | 2145 | **1.9** | | 6 | |
| | | | | | | 31 | 0525 | **4.4** | 1 | 3 | |
| | | | | | | | 0840 | **4.1** | 1 | 2 | |
| | | | | | | FR | 1440 | **5.4** | 1 | 6 | |
| | | | | | | VE | 2255 | **1.8** | | 5 | |

V-2

# TABLE DES MARÉES

# PICTOU (HNA 2·4)

1989

## APRIL-AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0630 | 4.6 | 1 4 | 16 | 0030 | 2.2 | 7 |
| | 1030 | 4.1 | 1 2 | | 0715 | 4.7 | 1 4 |
| SA | 1605 | 5.3 | 1 6 | SU | 1240 | 3.2 | 1 0 |
| SA | 2355 | 1.7 | 5 | DI | 1850 | 4.9 | 1 5 |
| 2 | 0720 | 4.8 | 1 5 | 17 | 0120 | 2.4 | 7 |
| | 1200 | 3.8 | 1 2 | | 0745 | 4.9 | 1 5 |
| SU | 1745 | 5.3 | 1 6 | MO | 1340 | 2.8 | 9 |
| DI | | | | LU | 1955 | 5.0 | 1 5 |
| 3 | 0055 | 1.6 | 5 | 18 | 0200 | 2.7 | 8 |
| | 0800 | 5.1 | 1 6 | | 0815 | 5.1 | 1 6 |
| MO | 1315 | 3.3 | 1 0 | TU | 1425 | 2.3 | 7 |
| LU | 1910 | 5.4 | 1 6 | MA | 2050 | 5.1 | 1 6 |
| 4 | 0150 | 1.6 | 5 | 19 | 0235 | 2.9 | 9 |
| | 0835 | 5.4 | 1 6 | | 0845 | 5.3 | 1 6 |
| TU | 1415 | 2.6 | 8 | WE | 1505 | 1.9 | 6 |
| MA | 2020 | 5.6 | 1 7 | ME | 2130 | 5.1 | 1 6 |
| 5 | 0235 | 1.6 | 5 | 20 | 0005 | 3.0 | 9 |
| | 0910 | 5.7 | 1 7 | | 0910 | 5.5 | 1 7 |
| WE | 1505 | 1.9 | 6 | TH | 1535 | 1.5 | 5 |
| ME | 2120 | 5.8 | 1 8 | JE | 2210 | 5.2 | 1 6 |
| 6 | 0320 | 1.7 | 5 | 21 | 0335 | 3.1 | 9 |
| | 0945 | 5.9 | 1 8 | | 0935 | 5.6 | 1 7 |
| TH | 1550 | 1.3 | 4 | FR | 1610 | 1.3 | 4 |
| JE | 2215 | 6.0 | 1 8 | VE | 2250 | 5.2 | 1 6 |
| 7 | 0405 | 1.9 | 6 | 22 | 0405 | 3.2 | 1 0 |
| | 1020 | 6.1 | 1 9 | | 1005 | 5.7 | 1 7 |
| FR | 1630 | .8 | 2 | SA | 1640 | 1.2 | 4 |
| VE | 2305 | 6.0 | 1 8 | SA | 2325 | 5.2 | 1 6 |
| 8 | 0445 | 2.2 | 7 | 23 | 0430 | 3.3 | 1 0 |
| | 1055 | 6.1 | 1 9 | | 1030 | 5.8 | 1 8 |
| SA | 1715 | .5 | 2 | SU | 1710 | 1.1 | 3 |
| SA | | | | DI | | | |
| 9 | 0000 | 5.8 | 1 8 | 24 | 0005 | 5.1 | 1 6 |
| | 0525 | 2.6 | 8 | | 0500 | 3.4 | 1 0 |
| SU | 1130 | 6.1 | 1 9 | MO | 1100 | 5.8 | 1 8 |
| DI | 1805 | .5 | 2 | LU | 1750 | 1.1 | 3 |
| 10 | 0055 | 5.5 | 1 7 | 25 | 0055 | 4.9 | 1 5 |
| | 0605 | 3.0 | 9 | | 0535 | 3.6 | 1 1 |
| MO | 1210 | 6.0 | 1 8 | TU | 1125 | 5.8 | 1 8 |
| LU | 1855 | .7 | 2 | MA | 1830 | 1.2 | 4 |
| 11 | 0205 | 5.1 | 1 6 | 26 | 0150 | 4.8 | 1 5 |
| | 0650 | 3.3 | 1 0 | | 0605 | 3.7 | 1 1 |
| TU | 1245 | 5.9 | 1 8 | WE | 1200 | 5.8 | 1 8 |
| MA | 1955 | 1.0 | 3 | ME | 1915 | 1.2 | 4 |
| 12 | 0320 | 4.8 | 1 5 | 27 | 0255 | 4.7 | 1 4 |
| | 0735 | 3.6 | 1 1 | | 0645 | 3.9 | 1 2 |
| WE | 1335 | 5.6 | 1 7 | TH | 1235 | 5.7 | 1 7 |
| ME | 2110 | 1.3 | 4 | JE | 2010 | 1.3 | 4 |
| 13 | 0430 | 4.5 | 1 4 | 28 | 0355 | 4.6 | 1 4 |
| | 0840 | 3.8 | 1 2 | | 0740 | 4.0 | 1 2 |
| TH | 1435 | 5.4 | 1 6 | FR | 1320 | 5.5 | 1 7 |
| JE | 2225 | 1.6 | 5 | VE | 2115 | 1.4 | 4 |
| 14 | 0535 | 4.5 | 1 4 | 29 | 0450 | 4.7 | 1 4 |
| | 1000 | 3.8 | 1 2 | | 0900 | 4.0 | 1 2 |
| FR | 1610 | 5.1 | 1 6 | SA | 1420 | 5.3 | 1 6 |
| VE | 2330 | 1.9 | 6 | SA | 2215 | 1.5 | 5 |
| 15 | 0630 | 4.5 | 1 4 | 30 | 0540 | 4.8 | 1 5 |
| | 1120 | 3.6 | 1 1 | | 1030 | 3.8 | 1 2 |
| SA | 1735 | 5.0 | 1 5 | SU | 1555 | 5.1 | 1 6 |
| SA | | | | DI | 2315 | 1.8 | 5 |

## MAY-MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0625 | 5.0 | 1 5 | 16 | 0010 | 2.9 | 9 |
| | 1145 | 3.3 | 1 0 | | 0635 | 5.0 | 1 5 |
| MO | 1735 | 5.0 | 1 5 | TU | 1305 | 2.4 | 7 |
| LU | | | | MA | 1935 | 4.7 | 1 4 |
| 2 | 0010 | 1.8 | 5 | 17 | 0055 | 3.1 | 9 |
| | 0705 | 5.3 | 1 6 | | 0710 | 5.2 | 1 6 |
| TU | 1255 | 2.6 | 8 | WE | 1350 | 1.9 | 6 |
| MA | 1905 | 5.1 | 1 6 | ME | 2025 | 4.8 | 1 5 |
| 3 | 0110 | 2.0 | 6 | 18 | 0135 | 3.3 | 1 0 |
| | 0745 | 5.5 | 1 7 | | 0740 | 5.4 | 1 6 |
| WE | 1350 | 1.9 | 6 | TH | 1430 | 1.6 | 5 |
| ME | 2015 | 5.4 | 1 6 | JE | 2110 | 4.9 | 1 5 |
| 4 | 0200 | 2.2 | 7 | 19 | 0215 | 3.4 | 1 0 |
| | 0825 | 5.8 | 1 8 | | 0815 | 5.5 | 1 7 |
| TH | 1440 | 1.2 | 4 | FR | 1510 | 1.3 | 4 |
| JE | 2115 | 5.5 | 1 7 | VE | 2155 | 5.0 | 1 5 |
| 5 | 0250 | 2.4 | 7 | 20 | 0250 | 3.4 | 1 0 |
| | 0900 | 6.0 | 1 8 | | 0850 | 5.7 | 1 7 |
| FR | 1530 | .6 | 2 | SA | 1545 | 1.1 | 3 |
| VE | 2210 | 5.6 | 1 7 | SA | 2235 | 5.0 | 1 5 |
| 6 | 0335 | 2.6 | 8 | 21 | 0325 | 3.5 | 1 1 |
| | 0940 | 6.2 | 1 9 | | 0925 | 5.8 | 1 8 |
| SA | 1615 | .3 | 1 | SU | 1620 | 1.0 | 3 |
| SA | 2300 | 5.5 | 1 7 | DI | 2315 | 5.0 | 1 5 |
| 7 | 0420 | 2.8 | 9 | 22 | 0405 | 3.5 | 1 1 |
| | 1020 | 6.2 | 1 9 | | 0955 | 5.8 | 1 8 |
| SU | 1705 | .2 | 1 | MO | 1655 | .9 | 3 |
| DI | 2355 | 5.4 | 1 6 | LU | | | |
| 8 | 0500 | 3.0 | 9 | 23 | 0005 | 5.0 | 1 5 |
| | 1100 | 6.2 | 1 9 | | 0440 | 3.6 | 1 1 |
| MO | 1755 | .3 | 1 | TU | 1030 | 5.8 | 1 8 |
| LU | | | | MA | 1735 | .9 | 3 |
| 9 | 0055 | 5.1 | 1 6 | 24 | 0055 | 5.0 | 1 5 |
| | 0545 | 3.2 | 1 0 | | 0520 | 3.7 | 1 1 |
| TU | 1140 | 6.1 | 1 9 | WE | 1105 | 5.8 | 1 8 |
| MA | 1845 | .6 | 2 | ME | 1820 | .8 | 2 |
| 10 | 0200 | 4.9 | 1 5 | 25 | 0150 | 5.0 | 1 5 |
| | 0630 | 3.4 | 1 0 | | 0605 | 3.8 | 1 2 |
| WE | 1225 | 5.8 | 1 8 | TH | 1140 | 5.7 | 1 7 |
| ME | 1945 | .9 | 3 | JE | 1905 | .9 | 3 |
| 11 | 0255 | 4.7 | 1 4 | 26 | 0240 | 5.0 | 1 5 |
| | 0725 | 3.5 | 1 1 | | 0655 | 3.9 | 1 2 |
| TH | 1320 | 5.5 | 1 7 | FR | 1225 | 5.6 | 1 7 |
| JE | 2045 | 1.3 | 4 | VE | 1955 | 1.0 | 3 |
| 12 | 0350 | 4.6 | 1 4 | 27 | 0325 | 5.0 | 1 5 |
| | 0835 | 3.5 | 1 1 | | 0800 | 3.8 | 1 2 |
| FR | 1425 | 5.2 | 1 6 | SA | 1325 | 5.3 | 1 6 |
| VE | 2140 | 1.7 | 5 | SA | 2050 | 1.2 | 4 |
| 13 | 0440 | 4.6 | 1 4 | 28 | 0410 | 5.0 | 1 5 |
| | 0945 | 3.4 | 1 0 | | 0905 | 3.6 | 1 1 |
| SA | 1545 | 4.9 | 1 5 | SU | 1440 | 5.1 | 1 6 |
| SA | 2235 | 2.1 | 6 | DI | 2145 | 1.5 | 5 |
| 14 | 0520 | 4.7 | 1 4 | 29 | 0455 | 5.1 | 1 6 |
| | 1055 | 3.2 | 1 0 | | 1015 | 3.2 | 1 0 |
| SU | 1705 | 4.7 | 1 4 | MO | 1610 | 4.9 | 1 5 |
| DI | 2320 | 2.5 | 8 | LU | 2240 | 1.9 | 6 |
| 15 | 0600 | 4.8 | 1 5 | 30 | 0535 | 5.2 | 1 6 |
| | 1205 | 2.8 | 9 | | 1125 | 2.6 | 8 |
| MO | 1825 | 4.6 | 1 4 | TU | 1745 | 4.8 | 1 5 |
| LU | | | | MA | 2335 | 2.3 | 7 |
| | | | | 31 | 0615 | 5.4 | 1 6 |
| | | | | | 1235 | 2.0 | 6 |
| | | | | WE | 1905 | 5.0 | 1 5 |
| | | | | ME | | | |

## JUNE-JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0035 | 2.6 | 8 | 16 | 0040 | 3.6 | 1 1 |
| | 0700 | 5.6 | 1 7 | | 0650 | 5.4 | 1 6 |
| TH | 1335 | 1.3 | 4 | FR | 1405 | 1.6 | 5 |
| JE | 2015 | 5.1 | 1 6 | VE | 2055 | 4.7 | 1 4 |
| 2 | 0135 | 2.9 | 9 | 17 | 0130 | 3.7 | 1 1 |
| | 0745 | 5.8 | 1 8 | | 0735 | 5.5 | 1 7 |
| FR | 1430 | .8 | 2 | SA | 1445 | 1.4 | 4 |
| VE | 2115 | 5.2 | 1 6 | SA | 2140 | 4.8 | 1 5 |
| 3 | 0225 | 3.0 | 9 | 18 | 0220 | 3.7 | 1 1 |
| | 0830 | 6.0 | 1 8 | | 0820 | 5.6 | 1 7 |
| SA | 1520 | .4 | 1 | SU | 1525 | 1.2 | 4 |
| SA | 2210 | 5.2 | 1 6 | DI | 2225 | 4.9 | 1 5 |
| 4 | 0315 | 3.1 | 9 | 19 | 0305 | 3.6 | 1 1 |
| | 0915 | 6.1 | 1 9 | | 0900 | 5.7 | 1 7 |
| SU | 1610 | .3 | 1 | MO | 1605 | 1.0 | 3 |
| DI | 2305 | 5.2 | 1 6 | LU | 2310 | 5.0 | 1 5 |
| 5 | 0400 | 3.2 | 1 0 | 20 | 0350 | 3.6 | 1 1 |
| | 1000 | 6.2 | 1 9 | | 0940 | 5.8 | 1 8 |
| MO | 1700 | .3 | 1 | TU | 1645 | .8 | 2 |
| LU | | | | MA | | | |
| 6 | 0000 | 5.1 | 1 6 | 21 | 0000 | 5.1 | 1 6 |
| | 0450 | 3.2 | 1 0 | | 0435 | 3.6 | 1 1 |
| TU | 1050 | 6.1 | 1 9 | WE | 1015 | 5.8 | 1 8 |
| MA | 1750 | .4 | 1 | ME | 1725 | .7 | 2 |
| 7 | 0055 | 5.0 | 1 5 | 22 | 0045 | 5.2 | 1 6 |
| | 0535 | 3.2 | 1 0 | | 0520 | 3.6 | 1 1 |
| WE | 1135 | 5.9 | 1 8 | TH | 1100 | 5.7 | 1 7 |
| ME | 1840 | .7 | 2 | JE | 1805 | .8 | 2 |
| 8 | 0140 | 4.9 | 1 5 | 23 | 0125 | 5.3 | 1 6 |
| | 0630 | 3.2 | 1 0 | | 0610 | 3.6 | 1 1 |
| TH | 1225 | 5.6 | 1 7 | FR | 1145 | 5.6 | 1 7 |
| JE | 1930 | 1.1 | 3 | VE | 1850 | .7 | 2 |
| 9 | 0225 | 4.9 | 1 5 | 24 | 0210 | 5.3 | 1 6 |
| | 0720 | 3.2 | 1 0 | | 0700 | 3.4 | 1 0 |
| FR | 1320 | 5.3 | 1 6 | SA | 1240 | 5.4 | 1 6 |
| VE | 2015 | 1.5 | 5 | SA | 1935 | 1.0 | 3 |
| 10 | 0305 | 4.9 | 1 5 | 25 | 0250 | 5.3 | 1 6 |
| | 0820 | 3.1 | 9 | | 0755 | 3.2 | 1 0 |
| SA | 1420 | 5.0 | 1 5 | SU | 1345 | 5.2 | 1 6 |
| SA | 2100 | 2.0 | 6 | DI | 2025 | 1.4 | 4 |
| 11 | 0340 | 4.9 | 1 5 | 26 | 0325 | 5.3 | 1 6 |
| | 0915 | 2.9 | 9 | | 0850 | 2.9 | 9 |
| SU | 1525 | 4.7 | 1 4 | MO | 1455 | 5.0 | 1 5 |
| DI | 2140 | 2.5 | 8 | LU | 2115 | 1.9 | 6 |
| 12 | 0415 | 5.0 | 1 5 | 27 | 0405 | 5.3 | 1 6 |
| | 1020 | 2.7 | 8 | | 0955 | 2.5 | 8 |
| MO | 1640 | 4.5 | 1 4 | TU | 1620 | 4.8 | 1 5 |
| LU | 2220 | 2.9 | 9 | MA | 2210 | 2.4 | 7 |
| 13 | 0445 | 5.0 | 1 5 | 28 | 0445 | 5.3 | 1 6 |
| | 1125 | 2.4 | 7 | | 1105 | 2.0 | 6 |
| TU | 1800 | 4.4 | 1 3 | WE | 1755 | 4.8 | 1 5 |
| MA | 2305 | 3.2 | 1 0 | ME | 2305 | 2.9 | 9 |
| 14 | 0520 | 5.1 | 1 6 | 29 | 0530 | 5.4 | 1 6 |
| | 1225 | 2.1 | 6 | | 1220 | 1.5 | 5 |
| WE | 1910 | 4.5 | 1 4 | TH | 1915 | 4.8 | 1 5 |
| ME | 2350 | 3.5 | 1 1 | JE | | | |
| 15 | 0600 | 5.3 | 1 6 | 30 | 0010 | 3.2 | 1 0 |
| | 1320 | 1.8 | 5 | | 0625 | 5.6 | 1 7 |
| TH | 2005 | 4.6 | 1 4 | FR | 1325 | 1.1 | 3 |
| JE | | | | VE | 2020 | 4.8 | 1 5 |

V-2

# PICTOU (AST −4)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0110 | 3.4 | 1.0 | 16 | 0050 | 3.9 | 1.2 |
| | 0720 | 5.8 | 1.8 | | 0700 | 5.6 | 1.7 |
| SA | 1425 | .8 | .2 | SU | 1430 | 1.5 | .5 |
| SA | 2125 | 4.9 | 1.5 | DI | 2130 | 4.7 | 1.4 |
| 2 | 0210 | 3.5 | 1.1 | 17 | 0150 | 3.8 | 1.2 |
| | 0815 | 5.9 | 1.8 | | 0750 | 5.6 | 1.7 |
| SU | 1520 | .6 | .2 | MO | 1510 | 1.2 | .4 |
| DI | 2220 | 4.9 | 1.5 | LU | 2215 | 4.9 | 1.5 |
| 3 | 0305 | 3.4 | 1.0 | 18 | 0250 | 3.7 | 1.1 |
| | 0905 | 6.0 | 1.8 | | 0840 | 5.7 | 1.7 |
| MO | 1610 | .5 | .2 | TU | 1550 | 1.0 | .3 |
| LU | 2310 | 5.0 | 1.5 | MA | 2255 | 5.1 | 1.6 |
| 4 | 0355 | 3.3 | 1.0 | 19 | 0340 | 3.6 | 1.1 |
| | 1000 | 6.0 | 1.8 | | 0925 | 5.7 | 1.7 |
| TU | 1700 | .6 | .2 | WE | 1630 | .8 | .2 |
| MA | 2355 | 5.0 | 1.5 | ME | 2335 | 5.4 | 1.6 |
| 5 | 0445 | 3.1 | .9 | 20 | 0430 | 3.4 | 1.0 |
| | 1050 | 5.9 | 1.8 | | 1015 | 5.8 | 1.8 |
| WE | 1745 | .8 | .2 | TH | 1705 | .6 | .2 |
| ME | | | | JE | | | |
| 6 | 0035 | 5.1 | 1.6 | 21 | 0015 | 5.5 | 1.7 |
| | 0535 | 3.0 | .9 | | 0515 | 3.2 | 1.0 |
| TH | 1140 | 5.7 | 1.7 | FR | 1105 | 5.7 | 1.7 |
| JE | 1825 | 1.1 | .3 | VE | 1745 | .6 | .2 |
| 7 | 0110 | 5.1 | 1.6 | 22 | 0050 | 5.6 | 1.7 |
| | 0620 | 2.9 | .9 | | 0600 | 3.0 | .9 |
| FR | 1225 | 5.5 | 1.7 | SA | 1155 | 5.7 | 1.7 |
| VE | 1900 | 1.5 | .5 | SA | 1830 | .9 | .3 |
| 8 | 0140 | 5.1 | 1.6 | 23 | 0125 | 5.6 | 1.7 |
| | 0705 | 2.7 | .8 | | 0645 | 2.7 | .8 |
| SA | 1315 | 5.2 | 1.6 | SU | 1250 | 5.5 | 1.7 |
| SA | 1935 | 1.9 | .6 | DI | 1910 | 1.3 | .4 |
| 9 | 0215 | 5.1 | 1.6 | 24 | 0200 | 5.5 | 1.7 |
| | 0750 | 2.6 | .8 | | 0735 | 2.4 | .7 |
| SU | 1405 | 4.9 | 1.5 | MO | 1350 | 5.3 | 1.6 |
| DI | 2010 | 2.4 | .7 | LU | 1955 | 1.8 | .5 |
| 10 | 0240 | 5.1 | 1.6 | 25 | 0235 | 5.5 | 1.7 |
| | 0840 | 2.5 | .8 | | 0830 | 2.1 | .6 |
| MO | 1505 | 4.6 | 1.4 | TU | 1500 | 5.0 | 1.5 |
| LU | 2045 | 2.8 | .9 | MA | 2045 | 2.4 | .7 |
| 11 | 0305 | 5.1 | 1.6 | 26 | 0310 | 5.4 | 1.6 |
| | 0935 | 2.4 | .7 | | 0935 | 1.8 | .5 |
| TU | 1615 | 4.4 | 1.3 | WE | 1630 | 4.8 | 1.5 |
| MA | 2120 | 3.2 | 1.0 | ME | 2135 | 3.0 | .9 |
| 12 | 0335 | 5.2 | 1.6 | 27 | 0355 | 5.4 | 1.6 |
| | 1035 | 2.2 | .7 | | 1050 | 1.6 | .5 |
| WE | 1735 | 4.3 | 1.3 | TH | 1800 | 4.6 | 1.4 |
| ME | 2155 | 3.5 | 1.1 | JE | 2235 | 3.4 | 1.0 |
| 13 | 0410 | 5.2 | 1.6 | 28 | 0450 | 5.5 | 1.7 |
| | 1145 | 2.1 | .6 | | 1215 | 1.3 | .4 |
| TH | 1845 | 4.3 | 1.3 | FR | 1920 | 4.6 | 1.4 |
| JE | 2245 | 3.7 | 1.1 | VE | 2345 | 3.7 | 1.1 |
| 14 | 0500 | 5.3 | 1.6 | 29 | 0600 | 5.6 | 1.7 |
| | 1245 | 1.9 | .6 | | 1325 | 1.1 | .3 |
| FR | 1945 | 4.4 | 1.3 | SA | 2035 | 4.8 | 1.4 |
| VE | 2345 | 3.8 | 1.2 | SA | | | |
| 15 | 0600 | 5.4 | 1.6 | 30 | 0055 | 3.7 | 1.1 |
| | 1340 | 1.7 | .5 | | 0705 | 5.7 | 1.7 |
| SA | 2040 | 4.5 | 1.4 | SU | 1430 | .9 | .3 |
| SA | | | | DI | 2135 | 4.7 | 1.4 |
| | | | | 31 | 0200 | 3.8 | 1.1 |
| | | | | | 0810 | 5.8 | 1.8 |
| | | | | MO | 1525 | .8 | .2 |
| | | | | LU | 2220 | 4.8 | 1.5 |

### AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0300 | 3.4 | 1.0 | 16 | 0230 | 3.6 | 1.1 |
| | 0905 | 5.9 | 1.8 | | 0820 | 5.6 | 1.7 |
| TU | 1610 | .9 | .3 | WE | 1520 | 1.1 | .3 |
| MA | 2255 | 4.9 | 1.5 | ME | 2220 | 5.3 | 1.6 |
| 2 | 0350 | 3.1 | .9 | 17 | 0325 | 3.3 | 1.0 |
| | 1000 | 5.9 | 1.8 | | 0915 | 5.7 | 1.7 |
| WE | 1645 | 1.0 | .3 | TH | 1600 | .9 | .3 |
| ME | 2325 | 5.1 | 1.6 | JE | 2255 | 5.6 | 1.7 |
| 3 | 0440 | 2.8 | .9 | 18 | 0410 | 2.9 | .9 |
| | 1045 | 5.8 | 1.8 | | 1010 | 5.8 | 1.8 |
| TH | 1720 | 1.3 | .4 | FR | 1640 | .8 | .2 |
| JE | 2355 | 5.2 | 1.6 | VE | 2330 | 5.7 | 1.7 |
| 4 | 0520 | 2.6 | .8 | 19 | 0455 | 2.5 | .8 |
| | 1130 | 5.6 | 1.7 | | 1100 | 5.9 | 1.8 |
| FR | 1755 | 1.6 | .5 | SA | 1720 | 1.0 | .3 |
| VE | | | | SA | | | |
| 5 | 0025 | 5.3 | 1.6 | 20 | 0005 | 5.8 | 1.8 |
| | 0600 | 2.4 | .7 | | 0535 | 2.1 | .6 |
| SA | 1215 | 5.4 | 1.6 | SU | 1150 | 5.8 | 1.8 |
| SA | 1825 | 2.0 | .6 | DI | 1800 | 1.3 | .4 |
| 6 | 0050 | 5.3 | 1.6 | 21 | 0035 | 5.8 | 1.8 |
| | 0635 | 2.2 | .7 | | 0620 | 1.8 | .5 |
| SU | 1255 | 5.1 | 1.6 | MO | 1245 | 5.7 | 1.7 |
| DI | 1850 | 2.4 | .7 | LU | 1840 | 1.8 | .5 |
| 7 | 0115 | 5.3 | 1.6 | 22 | 0110 | 5.7 | 1.7 |
| | 0715 | 2.2 | .7 | | 0710 | 1.5 | .5 |
| MO | 1340 | 4.9 | 1.5 | TU | 1345 | 5.4 | 1.6 |
| LU | 1920 | 2.8 | .9 | MA | 1925 | 2.4 | .7 |
| 8 | 0135 | 5.3 | 1.6 | 23 | 0145 | 5.7 | 1.7 |
| | 0755 | 2.1 | .6 | | 0805 | 1.4 | .4 |
| TU | 1430 | 4.6 | 1.4 | WE | 1455 | 5.0 | 1.5 |
| MA | 1945 | 3.2 | 1.0 | ME | 2010 | 2.9 | .9 |
| 9 | 0200 | 5.3 | 1.6 | 24 | 0220 | 5.6 | 1.7 |
| | 0840 | 2.1 | .6 | | 0910 | 1.4 | .4 |
| WE | 1535 | 4.4 | 1.3 | TH | 1630 | 4.7 | 1.4 |
| ME | 2015 | 3.5 | 1.1 | JE | 2100 | 3.4 | 1.0 |
| 10 | 0225 | 5.3 | 1.6 | 25 | 0310 | 5.6 | 1.7 |
| | 0945 | 2.2 | .7 | | 1040 | 1.4 | .4 |
| TH | 1700 | 4.2 | 1.3 | FR | 1755 | 4.5 | 1.4 |
| JE | 2045 | 3.7 | 1.1 | VE | 2205 | 3.8 | 1.2 |
| 11 | 0305 | 5.3 | 1.6 | 26 | 0420 | 5.5 | 1.7 |
| | 1100 | 2.2 | .7 | | 1205 | 1.4 | .4 |
| FR | 1815 | 4.2 | 1.3 | SA | 1920 | 4.5 | 1.4 |
| VE | 2130 | 3.8 | 1.2 | SA | 2320 | 3.9 | 1.2 |
| 12 | 0355 | 5.3 | 1.6 | 27 | 0545 | 5.5 | 1.7 |
| | 1210 | 2.1 | .6 | | 1315 | 1.3 | .4 |
| SA | 1920 | 4.2 | 1.3 | SU | 2030 | 4.5 | 1.4 |
| SA | 2245 | 4.0 | 1.2 | DI | | | |
| 13 | 0505 | 5.3 | 1.6 | 28 | 0040 | 3.8 | 1.2 |
| | 1310 | 1.9 | .6 | | 0700 | 5.6 | 1.7 |
| SU | 2020 | 4.4 | 1.3 | MO | 1420 | 1.3 | .4 |
| DI | | | | LU | 2115 | 4.7 | 1.4 |
| 14 | 0010 | 4.0 | 1.2 | 29 | 0155 | 3.5 | 1.1 |
| | 0620 | 5.4 | 1.6 | | 0805 | 5.7 | 1.7 |
| MO | 1400 | 1.6 | .5 | TU | 1505 | 1.3 | .4 |
| LU | 2105 | 4.7 | 1.4 | MA | 2150 | 4.8 | 1.5 |
| 15 | 0130 | 3.9 | 1.2 | 30 | 0250 | 3.1 | .9 |
| | 0725 | 5.5 | 1.7 | | 0900 | 5.8 | 1.8 |
| TU | 1440 | 1.3 | .4 | WE | 1545 | 1.5 | .5 |
| MA | 2145 | 5.0 | 1.5 | ME | 2215 | 5.0 | 1.5 |
| | | | | 31 | 0340 | 2.7 | .8 |
| | | | | | 0950 | 5.7 | 1.7 |
| | | | | TH | 1620 | 1.7 | .5 |
| | | | | JE | 2240 | 5.2 | 1.6 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0420 | 2.3 | .7 | 16 | 0345 | 2.2 | .7 |
| | 1035 | 5.6 | 1.7 | | 0955 | 5.9 | 1.8 |
| FR | 1645 | 2.0 | .6 | SA | 1605 | 1.4 | .4 |
| VE | 2305 | 5.3 | 1.6 | SA | 2240 | 5.9 | 1.8 |
| 2 | 0455 | 2.1 | .6 | 17 | 0430 | 1.8 | .5 |
| | 1115 | 5.5 | 1.7 | | 1050 | 6.0 | 1.8 |
| SA | 1715 | 2.3 | .7 | SU | 1650 | 1.6 | .5 |
| SA | 2330 | 5.4 | 1.6 | DI | 2310 | 6.0 | 1.8 |
| 3 | 0525 | 1.9 | .6 | 18 | 0510 | 1.2 | .4 |
| | 1155 | 5.4 | 1.6 | | 1140 | 6.0 | 1.8 |
| SU | 1740 | 2.6 | .8 | MO | 1730 | 2.0 | .6 |
| DI | 2355 | 5.5 | 1.7 | LU | 2345 | 6.0 | 1.8 |
| 4 | 0600 | 1.8 | .5 | 19 | 0555 | .9 | .3 |
| | 1230 | 5.2 | 1.6 | | 1235 | 5.8 | 1.8 |
| MO | 1805 | 2.9 | .9 | TU | 1810 | 2.5 | .8 |
| LU | | | | MA | | | |
| 5 | 0015 | 5.5 | 1.7 | 20 | 0020 | 6.0 | 1.8 |
| | 0635 | 1.8 | .5 | | 0645 | .9 | .3 |
| TU | 1310 | 5.0 | 1.5 | WE | 1335 | 5.4 | 1.6 |
| MA | 1830 | 3.2 | 1.0 | ME | 1850 | 2.9 | .9 |
| 6 | 0035 | 5.5 | 1.7 | 21 | 0055 | 5.9 | 1.8 |
| | 0710 | 1.8 | .5 | | 0740 | 1.0 | .3 |
| WE | 1355 | 4.7 | 1.4 | TH | 1455 | 5.0 | 1.5 |
| ME | 1855 | 3.4 | 1.0 | JE | 1935 | 3.4 | 1.0 |
| 7 | 0100 | 5.5 | 1.7 | 22 | 0140 | 5.8 | 1.8 |
| | 0755 | 2.0 | .6 | | 0855 | 1.3 | .4 |
| TH | 1455 | 4.4 | 1.3 | FR | 1620 | 4.7 | 1.4 |
| JE | 1920 | 3.6 | 1.1 | VE | 2030 | 3.7 | 1.1 |
| 8 | 0130 | 5.5 | 1.7 | 23 | 0235 | 5.7 | 1.7 |
| | 0850 | 2.1 | .6 | | 1020 | 1.4 | .4 |
| FR | 1620 | 4.2 | 1.3 | SA | 1740 | 4.5 | 1.4 |
| VE | 1950 | 3.8 | 1.2 | SA | 2145 | 3.9 | 1.2 |
| 9 | 0210 | 5.5 | 1.7 | 24 | 0400 | 5.5 | 1.7 |
| | 1005 | 2.2 | .7 | | 1140 | 1.6 | .5 |
| SA | 1735 | 4.2 | 1.3 | SU | 1855 | 4.5 | 1.4 |
| SA | 2030 | 3.9 | 1.2 | DI | 2310 | 3.8 | 1.2 |
| 10 | 0300 | 5.4 | 1.6 | 25 | 0530 | 5.4 | 1.6 |
| | 1120 | 2.1 | .6 | | 1250 | 1.7 | .5 |
| SU | 1840 | 4.3 | 1.3 | MO | 1950 | 4.6 | 1.4 |
| DI | 2200 | 4.0 | 1.2 | LU | | | |
| 11 | 0415 | 5.3 | 1.6 | 26 | 0030 | 3.8 | 1.1 |
| | 1220 | 2.0 | .6 | | 0645 | 5.4 | 1.6 |
| MO | 1935 | 4.5 | 1.4 | TU | 1345 | 1.9 | .6 |
| LU | 2345 | 4.0 | 1.2 | MA | 2025 | 4.8 | 1.5 |
| 12 | 0540 | 5.3 | 1.6 | 27 | 0140 | 3.2 | 1.0 |
| | 1310 | 1.8 | .5 | | 0755 | 5.5 | 1.7 |
| TU | 2020 | 4.8 | 1.5 | WE | 1430 | 2.1 | .6 |
| MA | | | | ME | 2055 | 5.0 | 1.5 |
| 13 | 0105 | 3.7 | 1.1 | 28 | 0230 | 2.7 | .8 |
| | 0700 | 5.4 | 1.6 | | 0850 | 5.5 | 1.7 |
| WE | 1400 | 1.8 | .5 | TH | 1505 | 2.3 | .7 |
| ME | 2055 | 5.2 | 1.6 | JE | 2120 | 5.2 | 1.6 |
| 14 | 0210 | 3.3 | 1.0 | 29 | 0315 | 2.2 | .7 |
| | 0805 | 5.6 | 1.7 | | 0935 | 5.6 | 1.7 |
| TH | 1445 | 1.4 | .4 | FR | 1535 | 2.6 | .8 |
| JE | 2130 | 5.5 | 1.7 | VE | 2145 | 5.4 | 1.6 |
| 15 | 0300 | 2.7 | .8 | 30 | 0350 | 1.9 | .6 |
| | 0905 | 5.8 | 1.8 | | 1020 | 5.6 | 1.7 |
| FR | 1525 | 1.3 | .4 | SA | 1605 | 2.8 | .9 |
| VE | 2205 | 5.8 | 1.8 | SA | 2210 | 5.6 | 1.7 |

V-2

# TABLE DES MARÉES

# PICTOU (HNA 2-4)

1989

## OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0420 | 1.6 | 5 | 16 | 0405 | .9 | 3 |
| | 1055 | 5.5 | 1 7 | | 1040 | 6.0 | 1 8 |
| SU | 1630 | 3.0 | 9 | MO | 1620 | 2.4 | 7 |
| DI | 2235 | 5.6 | 1 7 | LU | 2225 | 6.3 | 1 9 |
| 2 | 0455 | 1.5 | 5 | 17 | 0450 | .6 | 2 |
| | 1130 | 5.4 | 1 6 | | 1135 | 5.9 | 1 8 |
| MO | 1655 | 3.2 | 1 0 | TU | 1700 | 2.8 | 9 |
| LU | 2255 | 5.7 | 1 7 | MA | 2305 | 6.4 | 2 0 |
| 3 | 0525 | 1.4 | 4 | 18 | 0535 | .5 | 2 |
| | 1210 | 5.3 | 1 6 | | 1230 | 5.7 | 1 7 |
| TU | 1720 | 3.4 | 1 0 | WE | 1740 | 3.1 | 9 |
| MA | 2320 | 5.7 | 1 7 | ME | 2340 | 6.3 | 1 9 |
| 4 | 0600 | 1.5 | 5 | 19 | 0630 | .8 | 2 |
| | 1250 | 5.1 | 1 6 | | 1335 | 5.4 | 1 6 |
| WE | 1750 | 3.5 | 1 1 | TH | 1825 | 3.4 | 1 0 |
| ME | 2345 | 5.7 | 1 7 | JE | | | |
| 5 | 0635 | 1.8 | 5 | 20 | 0025 | 6.2 | 1 9 |
| | 1335 | 4.8 | 1 5 | | 0730 | .9 | 3 |
| TH | 1815 | 3.7 | 1 1 | FR | 1450 | 5.1 | 1 6 |
| JE | | | | VE | 1915 | 3.7 | 1 1 |
| 6 | 0015 | 5.7 | 1 7 | 21 | 0110 | 5.9 | 1 8 |
| | 0720 | 1.8 | 5 | | 0840 | 1.2 | 4 |
| FR | 1440 | 4.6 | 1 4 | SA | 1600 | 4.9 | 1 5 |
| VE | 1845 | 3.6 | 1 2 | SA | 2020 | 3.9 | 1 2 |
| 7 | 0050 | 5.7 | 1 7 | 22 | 0215 | 5.6 | 1 7 |
| | 0810 | 1.9 | 6 | | 0950 | 1.6 | 5 |
| SA | 1550 | 4.5 | 1 4 | SU | 1700 | 4.8 | 1 5 |
| SA | 1925 | 4.0 | 1 2 | DI | 2135 | 3.8 | 1 2 |
| 8 | 0125 | 5.6 | 1 7 | 23 | 0345 | 5.4 | 1 6 |
| | 0915 | 2.0 | 6 | | 1055 | 1.9 | 6 |
| SU | 1655 | 4.5 | 1 4 | MO | 1755 | 4.8 | 1 5 |
| DI | 2025 | 4.1 | 1 2 | LU | 2255 | 3.6 | 1 1 |
| 9 | 0220 | 5.4 | 1 6 | 24 | 0510 | 5.2 | 1 6 |
| | 1025 | 2.0 | 6 | | 1155 | 2.3 | 7 |
| MO | 1750 | 4.7 | 1 4 | TU | 1840 | 4.9 | 1 5 |
| LU | 2205 | 4.1 | 1 2 | MA | | | |
| 10 | 0340 | 5.3 | 1 6 | 25 | 0010 | 3.3 | 1 0 |
| | 1120 | 2.0 | 6 | | 0630 | 5.1 | 1 6 |
| TU | 1840 | 4.9 | 1 5 | WE | 1250 | 2.6 | 8 |
| MA | 2330 | 3.8 | 1 2 | ME | 1915 | 5.1 | 1 6 |
| 11 | 0515 | 5.2 | 1 6 | 26 | 0115 | 2.8 | 9 |
| | 1220 | 2.0 | 6 | | 0740 | 5.2 | 1 6 |
| WE | 1920 | 5.2 | 1 6 | TH | 1335 | 2.9 | 9 |
| ME | | | | JE | 1950 | 5.3 | 1 6 |
| 12 | 0045 | 3.4 | 1 0 | 27 | 0205 | 2.3 | 7 |
| | 0640 | 5.3 | 1 6 | | 0835 | 5.3 | 1 6 |
| TH | 1310 | 2.0 | 6 | FR | 1415 | 3.2 | 1 0 |
| JE | 2000 | 5.5 | 1 7 | VE | 2020 | 5.5 | 1 7 |
| 13 | 0145 | 2.8 | 9 | 28 | 0245 | 1.9 | 6 |
| | 0755 | 5.5 | 1 7 | | 0920 | 5.3 | 1 6 |
| FR | 1405 | 2.0 | 6 | SA | 1450 | 3.4 | 1 0 |
| VE | 2035 | 5.6 | 1 8 | SA | 2045 | 5.7 | 1 7 |
| 14 | 0235 | 2.1 | 6 | 29 | 0320 | 1.6 | 5 |
| | 0855 | 5.8 | 1 8 | | 1000 | 5.4 | 1 6 |
| SA | 1450 | 2.0 | 6 | SU | 1520 | 3.5 | 1 1 |
| SA | 2115 | 6.0 | 1 8 | DI | 2115 | 5.8 | 1 8 |
| 15 | 0320 | 1.4 | 4 | 30 | 0355 | 1.4 | 4 |
| | 0950 | 6.0 | 1 8 | | 1040 | 5.4 | 1 6 |
| SU | 1535 | 2.2 | 7 | MO | 1550 | 3.6 | 1 1 |
| DI | 2150 | 6.2 | 1 9 | LU | 2140 | 5.9 | 1 8 |
| | | | | 31 | 0425 | 1.3 | 4 |
| | | | | | 1120 | 5.4 | 1 6 |
| | | | | TU | 1620 | 3.7 | 1 1 |
| | | | | MA | 2210 | 5.9 | 1 8 |

## NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0500 | 1.3 | 4 | 16 | 0530 | .4 | 1 |
| | 1200 | 5.3 | 1 6 | | 1235 | 5.6 | 1 7 |
| WE | 1650 | 3.8 | 1 2 | TH | 1725 | 3.6 | 1 1 |
| ME | 2240 | 6.0 | 1 8 | JE | 2320 | 6.5 | 2 0 |
| 2 | 0535 | 1.3 | 4 | 17 | 0625 | .8 | 2 |
| | 1245 | 5.2 | 1 6 | | 1335 | 5.4 | 1 6 |
| TH | 1720 | 3.9 | 1 2 | FR | 1815 | 3.7 | 1 1 |
| JE | 2310 | 6.0 | 1 8 | VE | | | |
| 3 | 0615 | 1.4 | 4 | 18 | 0005 | 6.3 | 1 9 |
| | 1340 | 5.1 | 1 6 | | 0720 | .9 | 3 |
| FR | 1755 | 4.0 | 1 2 | SA | 1435 | 5.3 | 1 6 |
| VE | 2340 | 5.9 | 1 8 | SA | 1910 | 3.8 | 1 2 |
| 4 | 0655 | 1.5 | 5 | 19 | 0105 | 5.9 | 1 8 |
| | 1435 | 5.0 | 1 5 | | 0820 | 1.4 | 4 |
| SA | 1835 | 4.1 | 1 2 | SU | 1525 | 5.2 | 1 6 |
| SA | | | | DI | 2015 | 3.8 | 1 2 |
| 5 | 0015 | 5.8 | 1 8 | 20 | 0210 | 5.6 | 1 7 |
| | 0750 | 1.7 | 5 | | 0915 | 1.8 | 5 |
| SU | 1525 | 5.0 | 1 5 | MO | 1615 | 5.2 | 1 6 |
| DI | 1930 | 4.2 | 1 3 | LU | 2125 | 3.6 | 1 1 |
| 6 | 0100 | 5.6 | 1 7 | 21 | 0330 | 5.2 | 1 6 |
| | 0845 | 1.8 | 5 | | 1005 | 2.3 | 7 |
| MO | 1615 | 5.1 | 1 6 | TU | 1655 | 5.2 | 1 6 |
| LU | 2045 | 4.2 | 1 3 | MA | 2235 | 3.3 | 1 0 |
| 7 | 0200 | 5.4 | 1 6 | 22 | 0450 | 5.0 | 1 5 |
| | 0940 | 1.9 | 6 | | 1055 | 2.8 | 9 |
| TU | 1700 | 5.2 | 1 6 | WE | 1735 | 5.3 | 1 6 |
| MA | 2205 | 3.9 | 1 2 | ME | 2350 | 2.9 | 9 |
| 8 | 0330 | 5.1 | 1 6 | 23 | 0615 | 4.9 | 1 5 |
| | 1035 | 2.1 | 6 | | 1145 | 3.2 | 1 0 |
| WE | 1745 | 5.4 | 1 6 | TH | 1810 | 5.5 | 1 7 |
| ME | 2315 | 3.5 | 1 1 | JE | | | |
| 9 | 0505 | 5.1 | 1 6 | 24 | 0050 | 2.5 | 8 |
| | 1130 | 2.3 | 7 | | 0725 | 5.0 | 1 5 |
| TH | 1825 | 5.6 | 1 7 | FR | 1235 | 3.6 | 1 1 |
| JE | | | | VE | 1845 | 5.6 | 1 7 |
| 10 | 0025 | 2.9 | 9 | 25 | 0140 | 2.1 | 6 |
| | 0635 | 5.2 | 1 6 | | 0820 | 5.1 | 1 6 |
| FR | 1230 | 2.5 | 8 | SA | 1315 | 3.8 | 1 2 |
| VE | 1905 | 5.8 | 1 8 | SA | 1920 | 5.0 | 1 8 |
| 11 | 0125 | 2.2 | 7 | 26 | 0220 | 1.8 | 5 |
| | 0745 | 5.4 | 1 6 | | 0905 | 5.2 | 1 6 |
| SA | 1325 | 2.7 | 8 | SU | 1400 | 3.9 | 1 2 |
| SA | 1945 | 6.1 | 1 9 | DI | 1955 | 5.9 | 1 8 |
| 12 | 0215 | 1.5 | 5 | 27 | 0300 | 1.6 | 5 |
| | 0850 | 5.6 | 1 7 | | 0950 | 5.3 | 1 6 |
| SU | 1415 | 2.9 | 9 | MO | 1435 | 4.0 | 1 2 |
| DI | 2030 | 6.3 | 1 9 | LU | 2030 | 6.0 | 1 8 |
| 13 | 0305 | .9 | 3 | 28 | 0335 | 1.4 | 4 |
| | 0945 | 5.8 | 1 8 | | 1030 | 5.3 | 1 6 |
| MO | 1505 | 3.0 | 9 | TU | 1515 | 4.0 | 1 2 |
| LU | 2110 | 6.5 | 2 0 | MA | 2105 | 6.1 | 1 9 |
| 14 | 0350 | .5 | 2 | 29 | 0410 | 1.3 | 4 |
| | 1040 | 5.8 | 1 8 | | 1115 | 5.4 | 1 6 |
| TU | 1550 | 3.2 | 1 0 | WE | 1550 | 4.0 | 1 2 |
| MA | 2150 | 6.6 | 2 0 | ME | 2140 | 6.1 | 1 9 |
| 15 | 0440 | .3 | 1 | 30 | 0445 | 1.3 | 4 |
| | 1135 | 6.7 | 1 7 | | 1200 | 5.4 | 1 6 |
| WE | 1635 | 3.4 | 1 0 | TH | 1630 | 4.1 | 1 2 |
| ME | 2235 | 6.6 | 2 0 | JE | 2215 | 6.1 | 1 9 |

## DECEMBER-DECEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0525 | 1.2 | 4 | 16 | 0620 | .8 | 2 |
| | 1245 | 5.4 | 1 6 | | 1320 | 5.5 | 1 7 |
| FR | 1710 | 4.1 | 1 2 | SA | 1810 | 3.6 | 1 1 |
| VE | 2245 | 6.1 | 1 9 | SA | | | |
| 2 | 0605 | 1.3 | 4 | 17 | 0010 | 6.2 | 1 9 |
| | 1330 | 5.4 | 1 6 | | 0705 | 1.2 | 4 |
| SA | 1750 | 4.2 | 1 3 | SU | 1405 | 5.5 | 1 7 |
| SA | 2325 | 6.0 | 1 8 | DI | 1905 | 3.5 | 1 1 |
| 3 | 0645 | 1.3 | 4 | 18 | 0105 | 5.9 | 1 8 |
| | 1415 | 5.5 | 1 7 | | 0750 | 1.6 | 5 |
| SU | 1845 | 4.2 | 1 3 | MO | 1445 | 5.5 | 1 7 |
| DI | | | | LU | 2000 | 3.4 | 1 0 |
| 4 | 0005 | 5.8 | 1 8 | 19 | 0205 | 5.5 | 1 7 |
| | 0730 | 1.5 | 5 | | 0835 | 2.2 | 7 |
| MO | 1500 | 5.5 | 1 7 | TU | 1520 | 5.5 | 1 7 |
| LU | 1940 | 4.1 | 1 2 | MA | 2100 | 3.2 | 1 0 |
| 5 | 0100 | 5.6 | 1 7 | 20 | 0310 | 5.1 | 1 6 |
| | 0815 | 1.7 | 5 | | 0915 | 2.7 | 8 |
| TU | 1540 | 5.5 | 1 7 | WE | 1555 | 5.5 | 1 7 |
| MA | 2040 | 3.9 | 1 2 | ME | 2200 | 3.0 | 9 |
| 6 | 0210 | 5.3 | 1 6 | 21 | 0425 | 4.8 | 1 5 |
| | 0905 | 2.0 | 6 | | 1000 | 3.2 | 1 0 |
| WE | 1615 | 5.6 | 1 7 | TH | 1630 | 5.6 | 1 7 |
| ME | 2145 | 3.6 | 1 1 | JE | 2310 | 2.7 | 8 |
| 7 | 0330 | 5.1 | 1 6 | 22 | 0550 | 4.7 | 1 4 |
| | 1000 | 2.4 | 7 | | 1040 | 3.6 | 1 1 |
| TH | 1655 | 5.7 | 1 7 | FR | 1705 | 5.6 | 1 7 |
| JE | 2255 | 3.0 | 9 | VE | | | |
| 8 | 0505 | 5.0 | 1 5 | 23 | 0015 | 2.5 | 8 |
| | 1055 | 2.7 | 8 | | 0700 | 4.8 | 1 5 |
| FR | 1735 | 5.9 | 1 8 | SA | 1130 | 3.9 | 1 2 |
| VE | | | | SA | 1745 | 5.7 | 1 7 |
| 9 | 0005 | 2.4 | 7 | 24 | 0110 | 2.2 | 7 |
| | 0635 | 5.1 | 1 6 | | 0800 | 4.8 | 1 5 |
| SA | 1150 | 3.1 | 9 | SU | 1220 | 4.1 | 1 2 |
| SA | 1820 | 6.0 | 1 8 | DI | 1835 | 5.8 | 1 8 |
| 10 | 0105 | 1.8 | 5 | 25 | 0200 | 2.0 | 6 |
| | 0750 | 5.2 | 1 6 | | 0850 | 4.9 | 1 5 |
| SU | 1255 | 3.4 | 1 0 | MO | 1310 | 4.2 | 1 3 |
| DI | 1910 | 6.2 | 1 9 | LU | 1920 | 6.0 | 1 8 |
| 11 | 0205 | 1.2 | 4 | 26 | 0245 | 1.8 | 5 |
| | 0850 | 5.4 | 1 6 | | 0940 | 5.0 | 1 5 |
| MO | 1350 | 3.6 | 1 1 | TU | 1400 | 4.2 | 1 3 |
| LU | 1955 | 6.5 | 2 0 | MA | 2005 | 6.1 | 1 9 |
| 12 | 0255 | .8 | 2 | 27 | 0325 | 1.6 | 5 |
| | 0950 | 5.5 | 1 7 | | 1025 | 5.2 | 1 6 |
| TU | 1445 | 3.6 | 1 1 | WE | 1450 | 4.1 | 1 2 |
| MA | 2045 | 6.6 | 2 0 | ME | 2045 | 6.1 | 1 9 |
| 13 | 0350 | .5 | 2 | 28 | 0400 | 1.4 | 4 |
| | 1050 | 5.5 | 1 7 | | 1105 | 5.3 | 1 6 |
| WE | 1535 | 3.7 | 1 1 | TH | 1535 | 4.1 | 1 2 |
| ME | 2135 | 6.7 | 2 0 | JE | 2125 | 6.2 | 1 9 |
| 14 | 0440 | .4 | 1 | 29 | 0435 | 1.3 | 4 |
| | 1145 | 5.5 | 1 7 | | 1145 | 5.5 | 1 7 |
| TH | 1625 | 3.7 | 1 1 | FR | 1620 | 4.1 | 1 2 |
| JE | 2225 | 6.7 | 2 0 | VE | 2205 | 6.2 | 1 9 |
| 15 | 0530 | .3 | 2 | 30 | 0515 | 1.2 | 4 |
| | 1235 | 5.5 | 1 7 | | 1225 | 5.6 | 1 7 |
| FR | 1715 | 3.6 | 1 1 | SA | 1705 | 4.0 | 1 2 |
| VE | 2315 | 6.5 | 2 0 | SA | 2245 | 6.1 | 1 9 |
| | | | | 31 | 0550 | 1.1 | 3 |
| | | | | | 1305 | 5.7 | 1 7 |
| | | | | SU | 1750 | 4.0 | 1 2 |
| | | | | DI | 2330 | 6.0 | 1 8 |

V-2

# CHARLOTTETOWN (AST 2:4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0450 | 8.9 | 2.1 | 16 | 0540 | 7.4 | 2.3 |
| | 1040 | 4.4 | 1.3 | | 1115 | 4.0 | 1.2 |
| SU | 1700 | 7.7 | 2.3 | MO | 1720 | 8.2 | 2.5 |
| DI | 2340 | 3.6 | 1.1 | LU | | | |
| 2 | 0600 | 8.6 | 2.1 | 17 | 0010 | 2.1 | .6 |
| | 1130 | 4.9 | 1.5 | | 0700 | 7.3 | 2.2 |
| MO | 1735 | 7.8 | 2.4 | TU | 1220 | 4.6 | 1.4 |
| LU | | | | MA | 1810 | 8.1 | 2.5 |
| 3 | 0030 | 3.3 | 1.0 | 18 | 0120 | 1.9 | .6 |
| | 0715 | 6.9 | 2.1 | | 0820 | 7.4 | 2.3 |
| TU | 1225 | 5.3 | 1.6 | WE | 1330 | 5.0 | 1.5 |
| MA | 1815 | 7.8 | 2.4 | ME | 1910 | 8.1 | 2.5 |
| 4 | 0125 | 2.8 | .9 | 19 | 0225 | 1.7 | .5 |
| | 0830 | 7.0 | 2.1 | | 0930 | 7.6 | 2.3 |
| WE | 1330 | 5.5 | 1.7 | TH | 1440 | 5.1 | 1.6 |
| ME | 1900 | 8.0 | 2.4 | JE | 2015 | 8.2 | 2.5 |
| 5 | 0225 | 2.4 | .7 | 20 | 0330 | 1.5 | .5 |
| | 0935 | 7.3 | 2.2 | | 1030 | 7.8 | 2.4 |
| TH | 1430 | 5.6 | 1.7 | FR | 1545 | 5.0 | 1.5 |
| JE | 1955 | 8.3 | 2.5 | VE | 2115 | 8.4 | 2.6 |
| 6 | 0320 | 1.8 | .5 | 21 | 0425 | 1.4 | .4 |
| | 1035 | 7.6 | 2.3 | | 1120 | 8.0 | 2.4 |
| FR | 1530 | 5.6 | 1.7 | SA | 1640 | 4.8 | 1.5 |
| VE | 2050 | 8.6 | 2.6 | SA | 2215 | 8.6 | 2.6 |
| 7 | 0415 | 1.3 | .4 | 22 | 0515 | 1.4 | .4 |
| | 1120 | 7.9 | 2.4 | | 1200 | 8.1 | 2.5 |
| SA | 1623 | 5.3 | 1.6 | SU | 1730 | 4.5 | 1.4 |
| SA | 2150 | 8.9 | 2.7 | DI | 2305 | 8.7 | 2.7 |
| 8 | 0505 | .8 | .2 | 23 | 0600 | 1.5 | .5 |
| | 1205 | 8.2 | 2.5 | | 1240 | 8.2 | 2.5 |
| SU | 1720 | 5.0 | 1.5 | MO | 1810 | 4.2 | 1.3 |
| DI | 2245 | 9.2 | 2.8 | LU | 2355 | 8.7 | 2.7 |
| 9 | 0550 | .5 | .2 | 24 | 0635 | 1.8 | .5 |
| | 1245 | 8.4 | 2.6 | | 1315 | 8.2 | 2.5 |
| MO | 1810 | 4.5 | 1.4 | TU | 1855 | 4.0 | 1.2 |
| LU | 2340 | 9.3 | 2.8 | MA | | | |
| 10 | 0635 | .5 | .2 | 25 | 0035 | 8.6 | 2.6 |
| | 1325 | 8.6 | 2.6 | | 0710 | 2.2 | .7 |
| TU | 1900 | 4.0 | 1.2 | WE | 1345 | 8.2 | 2.5 |
| MA | | | | ME | 1930 | 3.8 | 1.2 |
| 11 | 0035 | 9.2 | 2.8 | 26 | 0115 | 8.3 | 2.5 |
| | 0720 | .7 | .2 | | 0740 | 2.6 | .8 |
| WE | 1400 | 8.6 | 2.6 | TH | 1410 | 8.1 | 2.5 |
| ME | 1945 | 3.8 | 1.1 | JE | 2010 | 3.8 | 1.1 |
| 12 | 0125 | 9.0 | 2.7 | 27 | 0155 | 8.0 | 2.4 |
| | 0805 | 1.1 | .3 | | 0810 | 3.0 | .9 |
| TH | 1440 | 8.6 | 2.6 | FR | 1430 | 8.1 | 2.5 |
| JE | 2035 | 3.1 | .9 | VE | 2045 | 3.5 | 1.1 |
| 13 | 0220 | 8.6 | 2.6 | 28 | 0235 | 7.7 | 2.3 |
| | 0845 | 1.8 | .5 | | 0840 | 3.5 | 1.1 |
| FR | 1515 | 8.6 | 2.6 | SA | 1455 | 8.0 | 2.4 |
| VE | 2125 | 2.8 | .9 | SA | 2120 | 3.4 | 1.0 |
| 14 | 0320 | 8.1 | 2.5 | 29 | 0315 | 7.4 | 2.3 |
| | 0930 | 2.5 | .8 | | 0910 | 3.9 | 1.2 |
| SA | 1555 | 8.5 | 2.6 | SU | 1515 | 7.9 | 2.4 |
| SA | 2215 | 2.5 | .8 | DI | 2155 | 3.2 | 1.0 |
| 15 | 0425 | 7.7 | 2.3 | 30 | 0405 | 7.1 | 2.2 |
| | 1020 | 3.3 | 1.0 | | 0945 | 4.4 | 1.3 |
| SU | 1635 | 8.3 | 2.5 | MO | 1540 | 7.8 | 2.4 |
| DI | 2310 | 2.2 | .7 | LU | 2235 | 3.1 | .9 |
| | | | | 31 | 0505 | 8.8 | 2.1 |
| | | | | | 1025 | 4.9 | 1.5 |
| | | | | TU | 1610 | 7.9 | 2.4 |
| | | | | MA | 2325 | 2.9 | .9 |

### FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0620 | 8.6 | 2.0 | 16 | 0055 | 2.0 | .6 |
| | 1110 | 5.4 | 1.6 | | 0810 | 7.2 | 2.2 |
| WE | 1700 | 7.9 | 2.4 | TH | 1305 | 5.3 | 1.6 |
| ME | | | | JE | 1840 | 7.7 | 2.3 |
| 2 | 0030 | 2.7 | .8 | 17 | 0210 | 2.1 | .6 |
| | 0750 | 6.7 | 2.0 | | 0915 | 7.3 | 2.2 |
| TH | 1220 | 5.7 | 1.7 | FR | 1425 | 5.2 | 1.6 |
| JE | 1800 | 8.0 | 2.4 | VE | 2000 | 7.8 | 2.4 |
| 3 | 0140 | 2.4 | .7 | 18 | 0320 | 2.0 | .6 |
| | 0905 | 6.9 | 2.1 | | 1010 | 7.5 | 2.3 |
| FR | 1345 | 5.7 | 1.7 | SA | 1530 | 4.9 | 1.5 |
| VE | 1915 | 8.2 | 2.5 | SA | 2110 | 8.0 | 2.4 |
| 4 | 0250 | 1.9 | .6 | 19 | 0415 | 2.0 | .6 |
| | 1005 | 7.3 | 2.2 | | 1055 | 7.7 | 2.3 |
| SA | 1505 | 5.5 | 1.7 | SU | 1625 | 4.5 | 1.4 |
| SA | 2030 | 8.5 | 2.6 | DI | 2215 | 8.3 | 2.5 |
| 5 | 0350 | 1.3 | .4 | 20 | 0455 | 2.0 | .6 |
| | 1050 | 7.8 | 2.4 | | 1130 | 7.9 | 2.4 |
| SU | 1610 | 4.9 | 1.5 | MO | 1710 | 3.9 | 1.2 |
| DI | 2140 | 8.9 | 2.7 | LU | 2305 | 8.5 | 2.6 |
| 6 | 0445 | .8 | .2 | 21 | 0535 | 2.2 | .7 |
| | 1130 | 8.3 | 2.5 | | 1200 | 8.0 | 2.4 |
| MO | 1705 | 4.2 | 1.3 | TU | 1750 | 3.5 | 1.1 |
| LU | 2245 | 9.2 | 2.8 | MA | 2345 | 8.6 | 2.6 |
| 7 | 0530 | .6 | .2 | 22 | 0610 | 2.4 | .7 |
| | 1210 | 8.7 | 2.7 | | 1230 | 8.2 | 2.5 |
| TU | 1755 | 3.4 | 1.0 | WE | 1830 | 3.1 | .9 |
| MA | 2340 | 9.3 | 2.8 | ME | | | |
| 8 | 0615 | .6 | .2 | 23 | 0025 | 8.5 | 2.6 |
| | 1245 | 8.9 | 2.7 | | 0640 | 2.6 | .8 |
| WE | 1840 | 2.8 | .9 | TH | 1250 | 8.2 | 2.5 |
| ME | | | | JE | 1900 | 2.8 | .9 |
| 9 | 0035 | 9.3 | 2.8 | 24 | 0100 | 8.4 | 2.6 |
| | 0655 | .8 | .2 | | 0710 | 2.9 | .9 |
| TH | 1320 | 9.0 | 2.7 | FR | 1315 | 8.2 | 2.5 |
| JE | 1925 | 2.2 | .7 | VE | 1935 | 2.6 | .8 |
| 10 | 0125 | 9.1 | 2.8 | 25 | 0135 | 8.2 | 2.5 |
| | 0740 | 1.4 | .4 | | 0735 | 3.3 | 1.0 |
| FR | 1355 | 9.0 | 2.7 | SA | 1330 | 8.1 | 2.5 |
| VE | 2010 | 1.8 | .5 | SA | 2005 | 2.6 | .8 |
| 11 | 0215 | 8.7 | 2.7 | 26 | 0210 | 7.8 | 2.4 |
| | 0820 | 2.1 | .6 | | 0805 | 3.7 | 1.1 |
| SA | 1430 | 8.8 | 2.7 | SU | 1350 | 8.1 | 2.5 |
| SA | 2100 | 1.6 | .5 | DI | 2035 | 2.5 | .8 |
| 12 | 0310 | 8.2 | 2.5 | 27 | 0250 | 7.6 | 2.3 |
| | 0905 | 2.9 | .9 | | 0835 | 4.2 | 1.3 |
| SU | 1505 | 8.6 | 2.6 | MO | 1410 | 8.0 | 2.4 |
| DI | 2145 | 1.6 | .5 | LU | 2110 | 2.5 | .8 |
| 13 | 0410 | 7.7 | 2.3 | 28 | 0330 | 7.1 | 2.2 |
| | 0950 | 3.7 | 1.1 | | 0905 | 4.8 | 1.4 |
| MO | 1545 | 8.3 | 2.5 | TU | 1435 | 8.0 | 2.4 |
| LU | 2240 | 1.7 | .5 | MA | 2150 | 2.5 | .8 |
| 14 | 0525 | 7.3 | 2.2 | | | | |
| | 1045 | 4.4 | 1.3 | | | | |
| TU | 1630 | 8.0 | 2.4 | | | | |
| MA | 2340 | 1.9 | .6 | | | | |
| 15 | 0650 | 7.2 | 2.2 | | | | |
| | 1145 | 5.0 | 1.5 | | | | |
| WE | 1730 | 7.8 | 2.4 | | | | |
| ME | | | | | | | |

### MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0425 | 8.7 | 2.0 | 16 | 0635 | 7.1 | 2.2 |
| | 0940 | 5.0 | 1.5 | | 1125 | 8.2 | 1.6 |
| WE | 1505 | 8.0 | 2.4 | TH | 1650 | 7.3 | 2.2 |
| ME | 2235 | 2.5 | .8 | JE | | | |
| 2 | 0540 | 8.5 | 2.0 | 17 | 0030 | 2.3 | .7 |
| | 1025 | 5.3 | 1.6 | | 0750 | 7.1 | 2.2 |
| TH | 1600 | 7.9 | 2.4 | FR | 1250 | 6.3 | 1.6 |
| JE | 2345 | 2.5 | .8 | VE | 1825 | 7.2 | 2.2 |
| 3 | 0710 | 8.5 | 2.0 | 18 | 0150 | 2.6 | .8 |
| | 1135 | 5.5 | 1.7 | | 0850 | 7.1 | 2.2 |
| FR | 1720 | 7.9 | 2.4 | SA | 1410 | 5.0 | 1.5 |
| VE | | | | SA | 1955 | 7.3 | 2.2 |
| 4 | 0105 | 2.4 | .7 | 19 | 0255 | 2.7 | .8 |
| | 0820 | 6.8 | 2.1 | | 0935 | 7.3 | 2.2 |
| SA | 1315 | 5.4 | 1.6 | SU | 1515 | 4.5 | 1.4 |
| SA | 1850 | 7.9 | 2.4 | DI | 2110 | 7.8 | 2.3 |
| 5 | 0220 | 2.0 | .6 | 20 | 0350 | 2.8 | .9 |
| | 0920 | 7.3 | 2.2 | | 1010 | 7.5 | 2.3 |
| SU | 1445 | 4.8 | 1.5 | MO | 1605 | 3.8 | 1.2 |
| DI | 2020 | 8.2 | 2.5 | LU | 2210 | 7.9 | 2.4 |
| 6 | 0325 | 1.8 | .5 | 21 | 0430 | 2.8 | .9 |
| | 1005 | 7.9 | 2.4 | | 1045 | 7.7 | 2.3 |
| MO | 1550 | 4.0 | 1.2 | TU | 1645 | 3.2 | 1.0 |
| LU | 2135 | 8.8 | 2.6 | MA | 2255 | 8.2 | 2.5 |
| 7 | 0415 | 1.2 | .4 | 22 | 0505 | 2.9 | .9 |
| | 1045 | 8.4 | 2.6 | | 1110 | 7.9 | 2.4 |
| TU | 1645 | 3.0 | .9 | WE | 1720 | 2.6 | .8 |
| MA | 2240 | 8.9 | 2.7 | ME | 2335 | 8.4 | 2.6 |
| 8 | 0505 | 1.1 | .3 | 23 | 0535 | 3.0 | .9 |
| | 1125 | 8.8 | 2.7 | | 1135 | 8.1 | 2.5 |
| WE | 1735 | 2.1 | .6 | TH | 1755 | 2.2 | .7 |
| ME | 2335 | 9.2 | 2.8 | JE | | | |
| 9 | 0550 | 1.2 | .4 | 24 | 0010 | 8.4 | 2.6 |
| | 1205 | 9.1 | 2.8 | | 0605 | 3.2 | 1.0 |
| TH | 1820 | 1.4 | .4 | FR | 1200 | 8.2 | 2.5 |
| JE | | | | VE | 1830 | 1.9 | .6 |
| 10 | 0025 | 8.2 | 2.8 | 25 | 0045 | 8.3 | 2.5 |
| | 0630 | 1.5 | .5 | | 0635 | 3.4 | 1.0 |
| FR | 1240 | 9.2 | 2.8 | SA | 1220 | 8.2 | 2.5 |
| VE | 1905 | .9 | .3 | SA | 1900 | 1.8 | .5 |
| 11 | 0115 | 9.0 | 2.7 | 26 | 0120 | 8.1 | 2.5 |
| | 0715 | 2.0 | .6 | | 0705 | 3.8 | 1.2 |
| SA | 1315 | 9.0 | 2.7 | SU | 1240 | 8.1 | 2.5 |
| SA | 1945 | .7 | .2 | DI | 1930 | 1.8 | .5 |
| 12 | 0205 | 8.7 | 2.7 | 27 | 0155 | 7.8 | 2.4 |
| | 0800 | 2.7 | .8 | | 0735 | 4.2 | 1.3 |
| SU | 1345 | 8.8 | 2.7 | MO | 1300 | 8.1 | 2.5 |
| DI | 2030 | .7 | .2 | LU | 2000 | 1.8 | .5 |
| 13 | 0300 | 8.2 | 2.5 | 28 | 0230 | 7.4 | 2.3 |
| | 0840 | 3.4 | 1.0 | | 0805 | 4.8 | 1.4 |
| MO | 1420 | 8.4 | 2.6 | TU | 1320 | 8.1 | 2.5 |
| LU | 2120 | 1.0 | .3 | MA | 2035 | 1.9 | .6 |
| 14 | 0400 | 7.7 | 2.3 | 29 | 0315 | 7.1 | 2.2 |
| | 0930 | 4.1 | 1.2 | | 0840 | 4.8 | 1.5 |
| TU | 1500 | 8.0 | 2.4 | WE | 1350 | 8.1 | 2.5 |
| MA | 2210 | 1.4 | .4 | ME | 2115 | 2.0 | .6 |
| 15 | 0515 | 7.3 | 2.2 | 30 | 0410 | 6.7 | 2.0 |
| | 1020 | 4.8 | 1.5 | | 0920 | 5.1 | 1.6 |
| WE | 1545 | 7.7 | 2.3 | TH | 1430 | 6.8 | 2.4 |
| ME | 2315 | 1.9 | .6 | JE | 2205 | 2.2 | .7 |
| | | | | 31 | 0520 | 6.6 | 2.0 |
| | | | | | 1010 | 5.2 | 1.6 |
| | | | | FR | 1535 | 7.8 | 2.4 |
| | | | | VE | 2310 | 2.4 | .7 |

V-2

## TABLE DES MARÉES

# CHARLOTTETOWN (HNA 2+1)

1989

### APRIL-AVRIL

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0635 | **6.7** | 2.0 | | | **16** | 0120 | **3.2** | 1.0 | | |
| | 1125 | **6.1** | 1.6 | | | | 0800 | **7.1** | 2.2 | | |
| SA | 1705 | **7.6** | 2.3 | | | SU | 1345 | **4.5** | 1.4 | | |
| SA | | | | | | DI | 1950 | **6.9** | 2.1 | | |
| 2 | 0030 | **2.5** | .8 | | | **17** | 0220 | **3.4** | 1.0 | | |
| | 0735 | **7.1** | 2.2 | | | | 0840 | **7.2** | 2.2 | | |
| SU | 1300 | **4.6** | 1.4 | | | MO | 1445 | **3.8** | 1.2 | | |
| DI | 1845 | **7.6** | 2.3 | | | LU | 2100 | **7.2** | 2.2 | | |
| 3 | 0150 | **2.3** | .7 | | | **18** | 0310 | **3.6** | 1.1 | | |
| | 0825 | **7.5** | 2.3 | | | | 0915 | **7.4** | 2.3 | | |
| MO | 1425 | **3.8** | 1.2 | | | TU | 1530 | **3.2** | 1.0 | | |
| LU | 2015 | **7.8** | 2.4 | | | MA | 2155 | **7.6** | 2.3 | | |
| 4 | 0255 | **2.2** | .7 | | | **19** | 0350 | **3.7** | 1.1 | | |
| | 0915 | **6.0** | 2.4 | | | | 0945 | **7.6** | 2.3 | | |
| TU | 1525 | **2.8** | .9 | | | WE | 1610 | **2.5** | .8 | | |
| MA | 2130 | **8.2** | 2.5 | | | ME | 2240 | **7.9** | 2.4 | | |
| 5 | 0345 | **2.0** | .6 | | | **20** | 0425 | **3.7** | 1.1 | | |
| | 1000 | **8.5** | 2.6 | | | | 1010 | **7.9** | 2.4 | | |
| WE | 1620 | **1.8** | .5 | | | TH | 1650 | **2.0** | .6 | | |
| ME | 2230 | **8.6** | 2.6 | | | JE | 2320 | **8.1** | 2.5 | | |
| 6 | 0435 | **2.0** | .6 | | | **21** | 0500 | **3.8** | 1.2 | | |
| | 1040 | **8.9** | 2.7 | | | | 1040 | **8.0** | 2.4 | | |
| TH | 1710 | **1.0** | .3 | | | FR | 1720 | **1.6** | .5 | | |
| JE | 2325 | **8.9** | 2.7 | | | VE | 2355 | **8.2** | 2.5 | | |
| 7 | 0525 | **2.1** | .6 | | | **22** | 0535 | **3.9** | 1.2 | | |
| | 1120 | **9.0** | 2.7 | | | | 1105 | **8.1** | 2.5 | | |
| FR | 1755 | **.4** | 1 | | | SA | 1755 | **1.4** | .4 | | |
| VE | | | | | | SA | | | | | |
| 8 | 0015 | **9.0** | 2.7 | | | **23** | 0030 | **8.2** | 2.5 | | |
| | 0610 | **2.4** | .7 | | | | 0610 | **4.1** | 1.2 | | |
| SA | 1200 | **9.0** | 2.7 | | | SU | 1135 | **8.1** | 2.5 | | |
| SA | 1840 | **.0** | .0 | | | DI | 1830 | **1.3** | .4 | | |
| 9 | 0105 | **8.9** | 2.7 | | | **24** | 0110 | **8.0** | 2.4 | | |
| | 0655 | **2.8** | .9 | | | | 0640 | **4.4** | 1.3 | | |
| SU | 1235 | **8.9** | 2.7 | | | MO | 1200 | **8.1** | 2.5 | | |
| DI | 1925 | **.0** | .0 | | | LU | 1900 | **1.3** | .4 | | |
| 10 | 0155 | **8.6** | 2.6 | | | **25** | 0145 | **7.7** | 2.3 | | |
| | 0740 | **3.4** | 1.0 | | | | 0715 | **4.6** | 1.4 | | |
| MO | 1310 | **8.6** | 2.6 | | | TU | 1225 | **8.1** | 2.5 | | |
| LU | 2010 | **.3** | .1 | | | MA | 1935 | **1.4** | .4 | | |
| 11 | 0250 | **8.2** | 2.5 | | | **26** | 0225 | **7.4** | 2.3 | | |
| | 0825 | **4.0** | 1.2 | | | | 0750 | **4.9** | 1.5 | | |
| TU | 1345 | **8.2** | 2.5 | | | WE | 1255 | **8.1** | 2.5 | | |
| MA | 2055 | **.6** | .2 | | | ME | 2015 | **1.6** | .5 | | |
| 12 | 0355 | **7.8** | 2.4 | | | **27** | 0310 | **7.1** | 2.2 | | |
| | 0915 | **4.5** | 1.4 | | | | 0830 | **4.9** | 1.5 | | |
| WE | 1430 | **7.8** | 2.4 | | | TH | 1335 | **8.0** | 2.4 | | |
| ME | 2150 | **1.5** | .5 | | | JE | 2100 | **1.8** | .5 | | |
| 13 | 0505 | **7.4** | 2.3 | | | **28** | 0405 | **6.9** | 2.1 | | |
| | 1010 | **4.9** | 1.5 | | | | 0915 | **4.9** | 1.5 | | |
| TH | 1520 | **7.3** | 2.2 | | | FR | 1425 | **7.8** | 2.4 | | |
| JE | 2250 | **2.2** | .7 | | | VE | 2150 | **2.1** | .6 | | |
| 14 | 0615 | **7.2** | 2.2 | | | **29** | 0505 | **6.9** | 2.1 | | |
| | 1115 | **6.1** | 1.6 | | | | 1015 | **4.7** | 1.4 | | |
| FR | 1635 | **6.9** | 2.1 | | | SA | 1540 | **7.5** | 2.3 | | |
| VE | | | | | | SA | 2255 | **2.4** | .7 | | |
| 15 | 0005 | **2.8** | .9 | | | **30** | 0600 | **7.1** | 2.2 | | |
| | 0715 | **7.1** | 2.2 | | | | 1130 | **4.3** | 1.3 | | |
| SA | 1235 | **4.9** | 1.5 | | | SU | 1715 | **7.3** | 2.2 | | |
| SA | 1820 | **6.8** | 2.1 | | | DI | | | | | |

### MAY-MAI

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0005 | **2.7** | .8 | | | **16** | 0125 | **4.1** | 1.2 | | |
| | 0650 | **7.4** | 2.3 | | | | 0735 | **7.3** | 2.2 | | |
| MO | 1250 | **3.6** | 1.1 | | | TU | 1400 | **3.3** | 1.0 | | |
| LU | 1850 | **7.3** | 2.2 | | | MA | 2030 | **7.0** | 2.1 | | |
| 2 | 0115 | **2.8** | .9 | | | **17** | 0220 | **4.3** | 1.3 | | |
| | 0735 | **7.6** | 2.4 | | | | 0805 | **7.4** | 2.3 | | |
| TU | 1400 | **2.8** | .9 | | | WE | 1445 | **2.7** | .8 | | |
| MA | 2010 | **7.5** | 2.3 | | | ME | 2125 | **7.3** | 2.2 | | |
| 3 | 0220 | **2.9** | .9 | | | **18** | 0305 | **4.4** | 1.3 | | |
| | 0825 | **8.2** | 2.5 | | | | 0840 | **7.6** | 2.3 | | |
| WE | 1500 | **1.8** | .5 | | | TH | 1530 | **2.2** | .7 | | |
| ME | 2120 | **7.9** | 2.4 | | | JE | 2215 | **7.6** | 2.3 | | |
| 4 | 0320 | **2.9** | .9 | | | **19** | 0345 | **4.4** | 1.3 | | |
| | 0910 | **8.5** | 2.6 | | | | 0915 | **7.7** | 2.3 | | |
| TH | 1555 | **1.0** | .3 | | | FR | 1610 | **1.8** | .5 | | |
| JE | 2220 | **8.3** | 2.5 | | | VE | 2300 | **7.9** | 2.4 | | |
| 5 | 0410 | **3.0** | .9 | | | **20** | 0425 | **4.5** | 1.4 | | |
| | 0955 | **8.7** | 2.7 | | | | 0950 | **7.9** | 2.4 | | |
| FR | 1645 | **.4** | 1 | | | SA | 1650 | **1.5** | .5 | | |
| VE | 2315 | **8.6** | 2.6 | | | SA | 2340 | **8.0** | 2.4 | | |
| 6 | 0500 | **3.1** | .9 | | | **21** | 0505 | **4.6** | 1.4 | | |
| | 1040 | **8.8** | 2.7 | | | | 1025 | **8.0** | 2.4 | | |
| SA | 1730 | **.0** | 0 | | | SU | 1725 | **1.2** | .4 | | |
| SA | | | | | | DI | | | | | |
| 7 | 0005 | **8.8** | 2.7 | | | **22** | 0020 | **8.0** | 2.4 | | |
| | 0550 | **3.3** | 1.0 | | | | 0545 | **4.7** | 1.4 | | |
| SU | 1125 | **8.8** | 2.7 | | | MO | 1100 | **8.1** | 2.5 | | |
| DI | 1820 | **−.2** | −1 | | | LU | 1805 | **1.1** | .3 | | |
| 8 | 0100 | **8.7** | 2.7 | | | **23** | 0100 | **7.8** | 2.4 | | |
| | 0635 | **3.5** | 1.1 | | | | 0625 | **4.8** | 1.5 | | |
| MO | 1205 | **8.6** | 2.6 | | | TU | 1135 | **8.2** | 2.5 | | |
| LU | 1905 | **.0** | 0 | | | MA | 1845 | **1.1** | .3 | | |
| 9 | 0150 | **8.5** | 2.6 | | | **24** | 0145 | **7.6** | 2.3 | | |
| | 0725 | **3.9** | 1.2 | | | | 0700 | **4.8** | 1.5 | | |
| TU | 1245 | **8.4** | 2.6 | | | WE | 1210 | **8.2** | 2.5 | | |
| MA | 1950 | **.4** | 1 | | | ME | 1925 | **1.2** | .4 | | |
| 10 | 0245 | **8.2** | 2.5 | | | **25** | 0225 | **7.4** | 2.3 | | |
| | 0815 | **4.2** | 1.3 | | | | 0745 | **4.8** | 1.5 | | |
| WE | 1330 | **8.0** | 2.4 | | | TH | 1255 | **8.2** | 2.5 | | |
| ME | 2040 | **1.1** | .3 | | | JE | 2010 | **1.4** | .4 | | |
| 11 | 0345 | **7.8** | 2.4 | | | **26** | 0310 | **7.3** | 2.2 | | |
| | 0905 | **4.5** | 1.4 | | | | 0830 | **4.6** | 1.4 | | |
| TH | 1415 | **7.6** | 2.3 | | | FR | 1345 | **8.0** | 2.4 | | |
| JE | 2130 | **1.8** | .5 | | | VE | 2055 | **1.7** | .5 | | |
| 12 | 0445 | **7.5** | 2.3 | | | **27** | 0350 | **7.3** | 2.2 | | |
| | 0955 | **4.6** | 1.4 | | | | 0920 | **4.3** | 1.3 | | |
| FR | 1515 | **7.2** | 2.2 | | | SA | 1445 | **7.8** | 2.4 | | |
| VE | 2225 | **2.5** | .8 | | | SA | 2145 | **2.1** | .6 | | |
| 13 | 0540 | **7.3** | 2.2 | | | **28** | 0435 | **7.4** | 2.3 | | |
| | 1100 | **4.6** | 1.4 | | | | 1015 | **3.8** | 1.2 | | |
| SA | 1635 | **6.8** | 2.1 | | | SU | 1600 | **7.5** | 2.3 | | |
| SA | 2325 | **3.2** | 1.0 | | | DI | 2240 | **2.5** | .8 | | |
| 14 | 0625 | **7.3** | 2.2 | | | **29** | 0520 | **7.5** | 2.3 | | |
| | 1200 | **4.3** | 1.3 | | | | 1120 | **3.3** | 1.0 | | |
| SU | 1805 | **6.7** | 2.0 | | | MO | 1720 | **7.3** | 2.2 | | |
| DI | | | | | | LU | 2340 | **3.0** | .9 | | |
| 15 | 0030 | **3.7** | 1.1 | | | **30** | 0605 | **7.8** | 2.4 | | |
| | 0700 | **7.2** | 2.2 | | | | 1225 | **2.7** | .8 | | |
| MO | 1305 | **3.9** | 1.2 | | | TU | 1845 | **7.2** | 2.2 | | |
| LU | 1925 | **6.8** | 2.1 | | | MA | | | | | |
| | | | | | | **31** | 0045 | **3.3** | 1.0 | | |
| | | | | | | | 0650 | **6.8** | 2.4 | | |
| | | | | | | WE | 1330 | **2.0** | .6 | | |
| | | | | | | ME | 2000 | **7.4** | 2.3 | | |

### JUNE-JUIN

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0150 | **3.6** | 1.1 | | | **16** | 0210 | **4.9** | 1.5 | | |
| | 0740 | **8.2** | 2.5 | | | | 0735 | **7.5** | 2.3 | | |
| TH | 1430 | **1.3** | .4 | | | FR | 1440 | **2.2** | .7 | | |
| JE | 2110 | **7.7** | 2.3 | | | VE | 2145 | **7.3** | 2.2 | | |
| 2 | 0250 | **3.7** | 1.1 | | | **17** | 0300 | **5.0** | 1.5 | | |
| | 0830 | **8.3** | 2.5 | | | | 0820 | **7.7** | 2.3 | | |
| FR | 1530 | **.8** | .2 | | | SA | 1530 | **1.9** | .6 | | |
| VE | 2210 | **8.0** | 2.4 | | | SA | 2240 | **7.5** | 2.3 | | |
| 3 | 0350 | **3.8** | 1.2 | | | **18** | 0350 | **5.0** | 1.5 | | |
| | 0920 | **8.4** | 2.6 | | | | 0905 | **7.8** | 2.4 | | |
| SA | 1620 | **.4** | 1 | | | SU | 1620 | **1.5** | .5 | | |
| SA | 2305 | **8.3** | 2.5 | | | DI | 2325 | **7.7** | 2.3 | | |
| 4 | 0445 | **3.8** | 1.2 | | | **19** | 0440 | **5.0** | 1.5 | | |
| | 1015 | **8.5** | 2.6 | | | | 0950 | **8.0** | 2.4 | | |
| SU | 1715 | **.1** | 0 | | | MO | 1705 | **1.2** | .4 | | |
| DI | | | | | | LU | | | | | |
| 5 | 0000 | **8.5** | 2.6 | | | **20** | 0010 | **7.8** | 2.4 | | |
| | 0535 | **3.8** | 1.2 | | | | 0525 | **4.9** | 1.5 | | |
| MO | 1105 | **8.6** | 2.6 | | | TU | 1040 | **8.2** | 2.5 | | |
| LU | 1805 | **.2** | 1 | | | MA | 1750 | **1.0** | .3 | | |
| 6 | 0050 | **8.5** | 2.6 | | | **21** | 0050 | **7.8** | 2.4 | | |
| | 0625 | **3.9** | 1.2 | | | | 0605 | **4.8** | 1.5 | | |
| TU | 1150 | **8.5** | 2.6 | | | WE | 1125 | **8.4** | 2.6 | | |
| MA | 1850 | **.4** | 1 | | | ME | 1835 | **.9** | 3 | | |
| 7 | 0140 | **8.3** | 2.5 | | | **22** | 0130 | **7.8** | 2.4 | | |
| | 0715 | **4.0** | 1.2 | | | | 0650 | **4.5** | 1.4 | | |
| WE | 1240 | **8.3** | 2.5 | | | TH | 1215 | **8.5** | 2.6 | | |
| ME | 1940 | **.9** | 3 | | | JE | 1915 | **.9** | 3 | | |
| 8 | 0230 | **8.1** | 2.5 | | | **23** | 0210 | **7.8** | 2.4 | | |
| | 0800 | **4.1** | 1.2 | | | | 0735 | **4.2** | 1.3 | | |
| TH | 1325 | **8.0** | 2.4 | | | FR | 1310 | **8.5** | 2.6 | | |
| JE | 2025 | **1.5** | .5 | | | VE | 2000 | **1.2** | .4 | | |
| 9 | 0320 | **7.8** | 2.4 | | | **24** | 0245 | **7.8** | 2.4 | | |
| | 0850 | **4.1** | 1.2 | | | | 0825 | **3.7** | 1.1 | | |
| FR | 1415 | **7.6** | 2.3 | | | SA | 1400 | **8.3** | 2.5 | | |
| VE | 2110 | **2.2** | .7 | | | SA | 2045 | **1.8** | .5 | | |
| 10 | 0405 | **7.6** | 2.3 | | | **25** | 0320 | **7.8** | 2.4 | | |
| | 0935 | **4.1** | 1.2 | | | | 0915 | **3.3** | 1.0 | | |
| SA | 1515 | **7.3** | 2.2 | | | SU | 1500 | **8.0** | 2.4 | | |
| SA | 2155 | **2.9** | .9 | | | DI | 2130 | **2.1** | .6 | | |
| 11 | 0445 | **7.4** | 2.3 | | | **26** | 0400 | **7.9** | 2.4 | | |
| | 1025 | **4.0** | 1.2 | | | | 1005 | **2.8** | .9 | | |
| SU | 1615 | **6.9** | 2.1 | | | MO | 1605 | **7.6** | 2.3 | | |
| DI | 2240 | **3.5** | 1.1 | | | LU | 2215 | **2.7** | .8 | | |
| 12 | 0520 | **7.3** | 2.2 | | | **27** | 0440 | **7.9** | 2.4 | | |
| | 1120 | **3.7** | 1.1 | | | | 1100 | **2.4** | .7 | | |
| MO | 1725 | **6.8** | 2.1 | | | TU | 1715 | **7.3** | 2.2 | | |
| LU | 2325 | **4.0** | 1.2 | | | MA | 2310 | **3.3** | 1.0 | | |
| 13 | 0550 | **7.3** | 2.2 | | | **28** | 0520 | **8.0** | 2.4 | | |
| | 1210 | **3.4** | 1.0 | | | | 1200 | **2.0** | .6 | | |
| TU | 1835 | **6.7** | 2.0 | | | WE | 1830 | **7.2** | 2.2 | | |
| MA | | | | | | ME | | | | | |
| 14 | 0020 | **4.4** | 1.3 | | | **29** | 0010 | **3.8** | 1.2 | | |
| | 0620 | **7.4** | 2.3 | | | | 0610 | **8.0** | 2.4 | | |
| WE | 1300 | **3.0** | .9 | | | TH | 1300 | **1.6** | .5 | | |
| ME | 1945 | **6.9** | 2.1 | | | JE | 1945 | **7.3** | 2.2 | | |
| 15 | 0115 | **4.7** | 1.4 | | | **30** | 0115 | **4.2** | 1.3 | | |
| | 0655 | **7.4** | 2.3 | | | | 0700 | **8.0** | 2.4 | | |
| TH | 1355 | **2.6** | .8 | | | FR | 1405 | **1.3** | .4 | | |
| JE | 2050 | **7.1** | 2.2 | | | VE | 2055 | **7.5** | 2.3 | | |

# CHARLOTTETOWN (AST)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0225 | **4.3** | 1 3 | | | 16 | 0210 | **5.4** | | 1 6 | |
| | 0800 | **5.1** | 2 5 | | | | 0730 | **7.7** | | 2 3 | |
| SA | 1510 | **1.0** | .3 | | | SU | 1455 | **2.0** | | 6 | |
| SA | 2200 | **7.7** | 2 3 | | | DI | 2215 | **7.2** | | 2 2 | |
| 2 | 0330 | **4.3** | 1 3 | | | 17 | 0310 | **5.4** | | 1 6 | |
| | 0900 | **5.2** | 2 5 | | | | 0830 | **7.9** | | 2 4 | |
| SU | 1605 | **.8** | .2 | | | MO | 1550 | **1.6** | | 5 | |
| DI | 2300 | **6.0** | 2 4 | | | LU | 2305 | **7.4** | | 2 3 | |
| 3 | 0425 | **4.2** | 1 3 | | | 18 | 0410 | **5.2** | | 1 6 | |
| | 1000 | **6.4** | 2 6 | | | | 0930 | **8.2** | | 2 5 | |
| MO | 1700 | **.6** | .2 | | | TU | 1645 | **1.2** | | 4 | |
| LU | 2350 | **6.2** | 2 5 | | | MA | 2345 | **7.7** | | 2 3 | |
| 4 | 0520 | **4.1** | 1 2 | | | 19 | 0500 | **4.8** | | 1 5 | |
| | 1055 | **6.5** | 2 6 | | | | 1025 | **6.8** | | 2 6 | |
| TU | 1750 | **.7** | .2 | | | WE | 1730 | **.9** | | 3 | |
| MA | | | | | | ME | | | | | |
| 5 | 0040 | **6.2** | 2 5 | | | 20 | 0025 | **7.9** | | 2 4 | |
| | 0610 | **3.9** | 1 2 | | | | 0550 | **4.3** | | 1 3 | |
| WE | 1150 | **6.5** | 2 6 | | | TH | 1125 | **5.8** | | 2 7 | |
| ME | 1840 | **1.0** | .3 | | | JE | 1815 | **.7** | | 2 | |
| 6 | 0120 | **6.1** | 2 5 | | | 21 | 0100 | **6.1** | | 2 5 | |
| | 0700 | **3.8** | 1 2 | | | | 0635 | **3.7** | | 1 1 | |
| TH | 1235 | **6.4** | 2 6 | | | FR | 1220 | **6.9** | | 2 7 | |
| JE | 1920 | **1.4** | .4 | | | VE | 1900 | **.8** | | 2 | |
| 7 | 0205 | **6.0** | 2 4 | | | 22 | 0135 | **6.2** | | 2 5 | |
| | 0740 | **3.7** | 1 1 | | | | 0720 | **3.1** | | 9 | |
| FR | 1325 | **6.2** | 2 5 | | | SA | 1310 | **6.8** | | 2 7 | |
| VE | 2000 | **1.9** | .6 | | | SA | 1940 | **1.1** | | 3 | |
| 8 | 0240 | **7.8** | 2 4 | | | 23 | 0205 | **6.3** | | 2 5 | |
| | 0825 | **3.6** | 1 1 | | | | 0810 | **3.6** | | 8 | |
| SA | 1410 | **7.9** | 2 4 | | | SU | 1400 | **6.6** | | 2 6 | |
| SA | 2040 | **2.5** | .8 | | | DI | 2020 | **1.6** | | 5 | |
| 9 | 0310 | **7.7** | 2 3 | | | 24 | 0240 | **6.3** | | 2 5 | |
| | 0905 | **3.5** | 1 1 | | | | 0855 | **2.2** | | 7 | |
| SU | 1455 | **7.5** | 2 3 | | | MO | 1455 | **6.2** | | 2 5 | |
| DI | 2115 | **3.1** | .9 | | | LU | 2105 | **2.3** | | 7 | |
| 10 | 0340 | **7.6** | 2 3 | | | 25 | 0315 | **6.3** | | 2 5 | |
| | 0950 | **3.3** | 1 0 | | | | 0940 | **1.9** | | 6 | |
| MO | 1545 | **7.2** | 2 2 | | | TU | 1555 | **7.7** | | 2 3 | |
| LU | 2150 | **3.7** | 1 1 | | | MA | 2150 | **3.0** | | 9 | |
| 11 | 0405 | **7.5** | 2 3 | | | 26 | 0355 | **6.2** | | 2 5 | |
| | 1030 | **3.2** | 1 0 | | | | 1035 | **1.7** | | 5 | |
| TU | 1640 | **6.9** | 2 1 | | | WE | 1700 | **7.4** | | 2 3 | |
| MA | 2225 | **4.1** | 1 2 | | | ME | 2240 | **3.6** | | 1 1 | |
| 12 | 0435 | **7.5** | 2 3 | | | 27 | 0440 | **6.1** | | 2 5 | |
| | 1115 | **3.0** | .9 | | | | 1130 | **1.6** | | 5 | |
| WE | 1740 | **6.8** | 2 1 | | | TH | 1815 | **7.1** | | 2 2 | |
| ME | 2310 | **4.6** | 1 4 | | | JE | 2335 | **4.2** | | 1 3 | |
| 13 | 0505 | **7.4** | 2 3 | | | 28 | 0530 | **7.9** | | 2 4 | |
| | 1200 | **2.9** | .9 | | | | 1235 | **1.6** | | 5 | |
| TH | 1850 | **6.7** | 2 0 | | | FR | 1935 | **7.1** | | 2 2 | |
| JE | | | | | | VE | | | | | |
| 14 | 0000 | **5.0** | 1 5 | | | 29 | 0045 | **4.6** | | 1 4 | |
| | 0545 | **7.4** | 2 3 | | | | 0630 | **7.9** | | 2 4 | |
| FR | 1255 | **2.7** | .8 | | | SA | 1345 | **1.5** | | 5 | |
| VE | 2005 | **6.8** | 2 1 | | | SA | 2045 | **7.3** | | 2 2 | |
| 15 | 0100 | **5.3** | 1 6 | | | 30 | 0200 | **4.7** | | 1 4 | |
| | 0635 | **7.5** | 2 3 | | | | 0740 | **7.9** | | 2 4 | |
| SA | 1355 | **2.4** | .7 | | | SU | 1455 | **1.4** | | 4 | |
| SA | 2115 | **6.9** | 2 1 | | | DI | 2150 | **7.5** | | 2 3 | |
| | | | | | | 31 | 0310 | **4.8** | | 1 4 | |
| | | | | | | | 0845 | **8.1** | | 2 5 | |
| | | | | | | MO | 1600 | **1.3** | | 4 | |
| | | | | | | LU | 2245 | **7.7** | | 2 3 | |

### AUGUST-AOUT

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0415 | **4.3** | 1 3 | | | 16 | 0340 | **4.9** | | 1 5 | |
| | 0955 | **6.3** | 2 5 | | | | 0915 | **6.4** | | 2 6 | |
| TU | 1650 | **1.3** | .4 | | | WE | 1620 | **1.3** | | 4 | |
| MA | 2335 | **7.9** | 2 4 | | | ME | 2305 | **7.8** | | 2 4 | |
| 2 | 0505 | **4.0** | 1 2 | | | 17 | 0440 | **4.1** | | 1 2 | |
| | 1055 | **6.5** | 2 6 | | | | 1020 | **6.8** | | 2 7 | |
| WE | 1740 | **1.4** | .4 | | | TH | 1705 | **1.0** | | 3 | |
| ME | | | | | | JE | 2340 | **8.2** | | 2 5 | |
| 3 | 0015 | **7.9** | 2 4 | | | 18 | 0530 | **3.3** | | 1 0 | |
| | 0555 | **2.6** | 1 1 | | | | 1120 | **6.0** | | 2 7 | |
| TH | 1145 | **6.6** | 2 6 | | | FR | 1750 | **.9** | | 3 | |
| JE | 1820 | **1.6** | .5 | | | VE | | | | | |
| 4 | 0050 | **8.0** | 2 4 | | | 19 | 0015 | **8.5** | | 2 6 | |
| | 0635 | **2.3** | 1 0 | | | | 0615 | **2.6** | | 8 | |
| FR | 1230 | **6.5** | 2 6 | | | SA | 1210 | **6.1** | | 2 8 | |
| VE | 1855 | **2.0** | .6 | | | SA | 1835 | **1.0** | | 3 | |
| 5 | 0120 | **8.0** | 2 4 | | | 20 | 0050 | **8.7** | | 2 7 | |
| | 0715 | **3.1** | .9 | | | | 0700 | **1.9** | | 6 | |
| SA | 1310 | **6.3** | 2 5 | | | SU | 1300 | **6.0** | | 2 7 | |
| SA | 1930 | **2.4** | .7 | | | DI | 1915 | **1.4** | | 4 | |
| 6 | 0150 | **7.9** | 2 4 | | | 21 | 0125 | **8.8** | | 2 7 | |
| | 0755 | **2.9** | .9 | | | | 0745 | **1.5** | | 5 | |
| SU | 1350 | **6.1** | 2 5 | | | MO | 1350 | **6.7** | | 2 7 | |
| DI | 2000 | **2.9** | .9 | | | LU | 1955 | **2.0** | | 6 | |
| 7 | 0210 | **7.9** | 2 4 | | | 22 | 0200 | **8.7** | | 2 7 | |
| | 0830 | **2.8** | .9 | | | | 0830 | **1.2** | | 4 | |
| MO | 1430 | **7.7** | 2 3 | | | TU | 1445 | **6.3** | | 2 5 | |
| LU | 2030 | **3.3** | 1 0 | | | MA | 2040 | **2.7** | | 8 | |
| 8 | 0235 | **7.8** | 2 4 | | | 23 | 0235 | **8.5** | | 2 6 | |
| | 0905 | **2.8** | .9 | | | | 0915 | **1.2** | | 4 | |
| TU | 1510 | **7.4** | 2 3 | | | WE | 1540 | **7.8** | | 2 4 | |
| MA | 2105 | **3.8** | 1 2 | | | ME | 2125 | **3.4** | | 1 0 | |
| 9 | 0255 | **7.7** | 2 3 | | | 24 | 0315 | **8.3** | | 2 5 | |
| | 0940 | **2.8** | .9 | | | | 1010 | **1.3** | | 4 | |
| WE | 1555 | **7.1** | 2 2 | | | TH | 1645 | **7.4** | | 2 3 | |
| ME | 2135 | **4.2** | 1 3 | | | JE | 2215 | **4.0** | | 1 2 | |
| 10 | 0320 | **7.6** | 2 3 | | | 25 | 0400 | **8.0** | | 2 4 | |
| | 1020 | **2.8** | .9 | | | | 1105 | **1.6** | | 5 | |
| TH | 1650 | **6.8** | 2 1 | | | FR | 1805 | **7.1** | | 2 2 | |
| JE | 2210 | **4.7** | 1 4 | | | VE | 2310 | **4.6** | | 1 4 | |
| 11 | 0355 | **7.6** | 2 3 | | | 26 | 0455 | **7.8** | | 2 4 | |
| | 1105 | **2.8** | .9 | | | | 1215 | **1.8** | | 5 | |
| FR | 1800 | **6.6** | 2 0 | | | SA | 1925 | **7.1** | | 2 2 | |
| VE | 2255 | **5.1** | 1 6 | | | SA | | | | | |
| 12 | 0435 | **7.5** | 2 3 | | | 27 | 0025 | **4.9** | | 1 5 | |
| | 1200 | **2.7** | .8 | | | | 0610 | **7.7** | | 2 3 | |
| SA | 1920 | **6.5** | 2 0 | | | SU | 1335 | **2.0** | | 6 | |
| SA | 2355 | **5.4** | 1 6 | | | DI | 2035 | **7.1** | | 2 2 | |
| 13 | 0535 | **7.6** | 2 3 | | | 28 | 0145 | **4.8** | | 1 5 | |
| | 1310 | **2.8** | .8 | | | | 0730 | **7.7** | | 2 3 | |
| SU | 2035 | **6.7** | 2 0 | | | MO | 1445 | **2.0** | | 6 | |
| DI | | | | | | LU | 2135 | **7.3** | | 2 2 | |
| 14 | 0110 | **6.6** | 1 7 | | | 29 | 0300 | **4.6** | | 1 4 | |
| | 0650 | **7.7** | 2 3 | | | | 0845 | **7.9** | | 2 4 | |
| MO | 1425 | **2.2** | .7 | | | TU | 1545 | **2.0** | | 6 | |
| LU | 2140 | **7.0** | 2 1 | | | MA | 2220 | **7.6** | | 2 3 | |
| 15 | 0235 | **5.4** | 1 6 | | | 30 | 0400 | **4.1** | | 1 2 | |
| | 0800 | **8.0** | 2 4 | | | | 0955 | **8.2** | | 2 5 | |
| TU | 1525 | **1.7** | .5 | | | WE | 1635 | **2.0** | | 6 | |
| MA | 2225 | **7.4** | 2 3 | | | ME | 2305 | **7.7** | | 2 3 | |
| | | | | | | 31 | 0445 | **3.8** | | 1 1 | |
| | | | | | | | 1050 | **8.5** | | 2 6 | |
| | | | | | | TH | 1715 | **2.2** | | 7 | |
| | | | | | | JE | 2335 | **7.8** | | 2 4 | |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0530 | **3.1** | 9 | | | 16 | 0505 | **2.2** | | 7 | |
| | 1135 | **6.6** | 2 6 | | | | 1110 | **6.1** | | 2 8 | |
| FR | 1750 | **2.4** | 7 | | | SA | 1725 | **1.6** | | 5 | |
| VE | | | | | | SA | 2330 | **6.9** | | 2 7 | |
| 2 | 0005 | **6.0** | 2 4 | | | 17 | 0550 | **1.4** | | 4 | |
| | 0610 | **2.7** | 8 | | | | 1200 | **6.2** | | 2 8 | |
| SA | 1215 | **6.6** | 2 6 | | | SU | 1805 | **1.7** | | 5 | |
| SA | 1825 | **2.7** | 8 | | | DI | | | | | |
| 3 | 0030 | **6.1** | 2 5 | | | 18 | 0010 | **6.0** | | 2 7 | |
| | 0645 | **2.5** | 8 | | | | 0635 | **.9** | | 3 | |
| SU | 1250 | **6.4** | 2 6 | | | MO | 1250 | **6.1** | | 2 8 | |
| DI | 1855 | **3.0** | 9 | | | LU | 1850 | **2.1** | | 6 | |
| 4 | 0055 | **6.1** | 2 5 | | | 19 | 0045 | **6.0** | | 2 7 | |
| | 0720 | **2.3** | 7 | | | | 0720 | **.6** | | 2 | |
| MO | 1325 | **6.2** | 2 5 | | | TU | 1340 | **6.6** | | 2 7 | |
| LU | 1925 | **3.3** | 1 0 | | | MA | 1935 | **2.7** | | 8 | |
| 5 | 0115 | **6.1** | 2 5 | | | 20 | 0120 | **6.9** | | 2 7 | |
| | 0750 | **2.3** | 7 | | | | 0805 | **.6** | | 2 | |
| TU | 1400 | **7.9** | 2 4 | | | WE | 1430 | **6.3** | | 2 5 | |
| MA | 1955 | **3.7** | 1 1 | | | ME | 2020 | **3.3** | | 1 0 | |
| 6 | 0135 | **6.0** | 2 4 | | | 21 | 0200 | **6.6** | | 2 6 | |
| | 0820 | **2.4** | 7 | | | | 0855 | **.9** | | 3 | |
| WE | 1440 | **7.5** | 2 3 | | | TH | 1530 | **7.9** | | 2 4 | |
| ME | 2025 | **4.1** | 1 2 | | | JE | 2105 | **3.9** | | 1 2 | |
| 7 | 0155 | **7.9** | 2 4 | | | 22 | 0240 | **6.3** | | 2 5 | |
| | 0855 | **2.5** | 8 | | | | 0945 | **1.3** | | 4 | |
| TH | 1520 | **7.1** | 2 2 | | | FR | 1640 | **7.5** | | 2 3 | |
| JE | 2055 | **4.5** | 1 4 | | | VE | 2155 | **4.5** | | 1 4 | |
| 8 | 0220 | **7.8** | 2 4 | | | 23 | 0325 | **7.9** | | 2 4 | |
| | 0930 | **2.6** | 8 | | | | 1045 | **1.8** | | 5 | |
| FR | 1610 | **6.8** | 2 1 | | | SA | 1800 | **7.2** | | 2 2 | |
| VE | 2130 | **4.9** | 1 5 | | | SA | 2255 | **4.9** | | 1 5 | |
| 9 | 0255 | **7.8** | 2 4 | | | 24 | 0435 | **7.6** | | 2 3 | |
| | 1015 | **2.7** | 8 | | | | 1200 | **2.2** | | 7 | |
| SA | 1720 | **6.5** | 2 0 | | | SU | 1910 | **7.2** | | 2 2 | |
| SA | 2210 | **5.2** | 1 6 | | | DI | | | | | |
| 10 | 0340 | **7.7** | 2 3 | | | 25 | 0015 | **5.0** | | 1 5 | |
| | 1115 | **2.8** | 9 | | | | 0605 | **7.4** | | 2 3 | |
| SU | 1840 | **6.5** | 2 0 | | | MO | 1320 | **2.5** | | 8 | |
| DI | 2310 | **5.4** | 1 6 | | | LU | 2010 | **7.2** | | 2 2 | |
| 11 | 0450 | **7.7** | 2 3 | | | 26 | 0135 | **4.8** | | 1 5 | |
| | 1235 | **2.7** | 8 | | | | 0735 | **7.5** | | 2 3 | |
| MO | 1950 | **6.7** | 2 0 | | | TU | 1430 | **2.7** | | 8 | |
| LU | | | | | | MA | 2100 | **7.3** | | 2 2 | |
| 12 | 0035 | **5.4** | 1 6 | | | 27 | 0245 | **4.3** | | 1 3 | |
| | 0620 | **7.8** | 2 4 | | | | 0850 | **7.8** | | 2 4 | |
| TU | 1350 | **2.4** | 7 | | | WE | 1525 | **2.8** | | 9 | |
| MA | 2045 | **7.1** | 2 2 | | | ME | 2145 | **7.4** | | 2 3 | |
| 13 | 0205 | **4.9** | 1 5 | | | 28 | 0335 | **3.7** | | 1 1 | |
| | 0750 | **8.0** | 2 4 | | | | 0950 | **8.1** | | 2 5 | |
| WE | 1455 | **2.0** | 6 | | | TH | 1610 | **3.0** | | 9 | |
| ME | 2130 | **7.5** | 2 3 | | | JE | 2220 | **7.6** | | 2 3 | |
| 14 | 0315 | **4.1** | 1 2 | | | 29 | 0420 | **3.1** | | 9 | |
| | 0905 | **8.4** | 2 6 | | | | 1040 | **8.3** | | 2 5 | |
| TH | 1550 | **1.7** | 5 | | | FR | 1645 | **3.1** | | 9 | |
| JE | 2215 | **8.1** | 2 5 | | | VE | 2245 | **7.8** | | 2 4 | |
| 15 | 0415 | **3.1** | 9 | | | 30 | 0500 | **2.5** | | 8 | |
| | 1010 | **8.8** | 2 7 | | | | 1120 | **8.5** | | 2 6 | |
| FR | 1640 | **1.5** | 5 | | | SA | 1720 | **3.3** | | 1 0 | |
| VE | 2255 | **8.5** | 2 6 | | | SA | 2315 | **8.0** | | 2 4 | |

V-3

## TABLE DES MARÉES

# CHARLOTTETOWN (PNA 2.1)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0535 | 2.2 | | 7 | | 16 | 0525 | .8 | | 2 | |
| | 1155 | 8.5 | | 2 | 6 | | 1150 | 8.1 | | 2 | 8 |
| SU | 1750 | 3.4 | | 1 | 0 | MO | 1745 | 2.7 | | 8 | |
| DI | 2335 | 8.2 | | 2 | 5 | LU | 2330 | 8.2 | | 2 | 8 |
| 2 | 0610 | 2.0 | | 6 | | 17 | 0610 | .2 | | 1 | |
| | 1230 | 8.4 | | 2 | 6 | | 1240 | 9.0 | | 2 | 7 |
| MO | 1820 | 3.6 | | 1 | 1 | TU | 1830 | 3.0 | | 9 | |
| LU | | | | | | MA | | | | | |
| 3 | 0000 | 8.2 | | 2 | 5 | 18 | 0010 | 8.1 | | 2 | 8 |
| | 0645 | 1.9 | | 6 | | | 0700 | .2 | | 1 | |
| TU | 1305 | 8.2 | | 2 | 5 | WE | 1330 | 8.8 | | 2 | 7 |
| MA | 1855 | 3.9 | | 1 | 2 | ME | 1915 | 3.4 | | 1 | 0 |
| 4 | 0025 | 8.2 | | 2 | 5 | 19 | 0050 | 8.9 | | 2 | 7 |
| | 0715 | 2.0 | | 6 | | | 0745 | .4 | | 1 | |
| WE | 1340 | 7.9 | | 2 | 4 | TH | 1425 | 8.5 | | 2 | 6 |
| ME | 1925 | 4.2 | | 1 | 3 | JE | 2000 | 3.9 | | 1 | 2 |
| 5 | 0045 | 8.1 | | 2 | 5 | 20 | 0130 | 8.6 | | 2 | 6 |
| | 0745 | 2.1 | | 6 | | | 0835 | .8 | | 2 | |
| TH | 1420 | 7.5 | | 2 | 3 | FR | 1525 | 8.1 | | 2 | 5 |
| JE | 1955 | 4.6 | | 1 | 4 | VE | 2050 | 4.4 | | 1 | 3 |
| 6 | 0110 | 8.0 | | 2 | 4 | 21 | 0215 | 8.2 | | 2 | 5 |
| | 0820 | 2.3 | | 7 | | | 0925 | 1.4 | | 4 | |
| FR | 1500 | 7.1 | | 2 | 2 | SA | 1635 | 7.7 | | 2 | 3 |
| VE | 2025 | 4.9 | | 1 | 5 | SA | 2145 | 4.7 | | 1 | 4 |
| 7 | 0140 | 8.0 | | 2 | 4 | 22 | 0310 | 7.8 | | 2 | 4 |
| | 0855 | 2.5 | | 8 | | | 1030 | 2.1 | | 6 | |
| SA | 1550 | 6.8 | | 2 | 1 | SU | 1745 | 7.5 | | 2 | 3 |
| SA | 2105 | 5.2 | | 1 | 6 | DI | 2250 | 4.9 | | 1 | 5 |
| 8 | 0215 | 7.9 | | 2 | 4 | 23 | 0425 | 7.4 | | 2 | 3 |
| | 0945 | 2.7 | | 8 | | | 1140 | 2.7 | | 8 | |
| SU | 1700 | 6.6 | | 2 | 0 | MO | 1845 | 7.4 | | 2 | 3 |
| DI | 2150 | 5.3 | | 1 | 6 | LU | | | | | |
| 9 | 0315 | 7.8 | | 2 | 4 | 24 | 0005 | 4.8 | | 1 | 5 |
| | 1045 | 2.8 | | 9 | | | 0605 | 7.2 | | 2 | 2 |
| MO | 1805 | 6.7 | | 2 | 0 | TU | 1255 | 3.2 | | 1 | 0 |
| LU | 2255 | 5.2 | | 1 | 6 | MA | 1935 | 7.4 | | 2 | 3 |
| 10 | 0435 | 7.6 | | 2 | 3 | 25 | 0115 | 4.4 | | 1 | 3 |
| | 1200 | 2.9 | | 9 | | | 0730 | 7.4 | | 2 | 3 |
| TU | 1900 | 7.0 | | 2 | 1 | WE | 1400 | 3.5 | | 1 | 1 |
| MA | | | | | | ME | 2015 | 7.4 | | 2 | 3 |
| 11 | 0025 | 4.8 | | 1 | 5 | 26 | 0215 | 3.8 | | 1 | 2 |
| | 0615 | 7.7 | | 2 | 3 | | 0840 | 7.6 | | 2 | 3 |
| WE | 1315 | 2.8 | | 9 | | TH | 1450 | 3.8 | | 1 | 2 |
| ME | 1950 | 7.4 | | 2 | 3 | JE | 2050 | 7.5 | | 2 | 3 |
| 12 | 0145 | 4.1 | | 1 | 2 | 27 | 0305 | 3.2 | | 1 | 0 |
| | 0745 | 7.9 | | 2 | 4 | | 0935 | 7.9 | | 2 | 4 |
| TH | 1420 | 2.6 | | 8 | | FR | 1530 | 3.9 | | 1 | 2 |
| JE | 2040 | 7.9 | | 2 | 4 | VE | 2120 | 7.7 | | 2 | 3 |
| 13 | 0250 | 3.1 | | 9 | | 28 | 0350 | 2.6 | | 8 | |
| | 0900 | 8.3 | | 2 | 5 | | 1020 | 8.2 | | 2 | 5 |
| FR | 1520 | 2.5 | | 8 | | SA | 1610 | 4.0 | | 1 | 2 |
| VE | 2125 | 8.4 | | 2 | 6 | SA | 2150 | 8.0 | | 2 | 4 |
| 14 | 0350 | 2.1 | | 6 | | 29 | 0430 | 2.2 | | 7 | |
| | 1005 | 8.7 | | 2 | 7 | | 1105 | 8.3 | | 2 | 5 |
| SA | 1610 | 2.4 | | 7 | | SU | 1645 | 4.1 | | 1 | 2 |
| SA | 2205 | 8.8 | | 2 | 7 | DI | 2220 | 8.2 | | 2 | 5 |
| 15 | 0440 | 1.2 | | 4 | | 30 | 0505 | 1.8 | | 5 | |
| | 1100 | 8.9 | | 2 | 7 | | 1140 | 8.4 | | 2 | 6 |
| SU | 1655 | 2.5 | | 8 | | MO | 1720 | 4.2 | | 1 | 3 |
| DI | 2250 | 9.1 | | 2 | 8 | LU | 2250 | 8.3 | | 2 | 5 |
| | | | | | | 31 | 0540 | 1.7 | | 5 | |
| | | | | | | | 1220 | 8.4 | | 2 | 6 |
| | | | | | | TU | 1755 | 4.4 | | 1 | 3 |
| | | | | | | MA | 2320 | 8.3 | | 2 | 5 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0615 | 1.7 | | 5 | | 16 | 0640 | .1 | | 0 | |
| | 1255 | 8.2 | | 2 | 5 | | 1325 | 8.0 | | 2 | 7 |
| WE | 1825 | 4.6 | | 1 | 4 | TH | 1900 | 4.0 | | 1 | 2 |
| ME | 2345 | 8.3 | | 2 | 5 | JE | | | | | |
| 2 | 0645 | 1.8 | | 5 | | 17 | 0030 | 8.0 | | 2 | 7 |
| | 1330 | 7.9 | | 2 | 4 | | 0730 | .4 | | 1 | |
| TH | 1900 | 4.9 | | 1 | 5 | FR | 1420 | 8.6 | | 2 | 6 |
| JE | | | | | | VE | 1950 | 4.3 | | 1 | 3 |
| 3 | 0015 | 8.2 | | 2 | 5 | 18 | 0115 | 8.6 | | 2 | 6 |
| | 0720 | 2.0 | | 6 | | | 0820 | 1.0 | | 3 | |
| FR | 1410 | 7.5 | | 2 | 3 | SA | 1515 | 8.3 | | 2 | 5 |
| VE | 1935 | 5.1 | | 1 | 6 | SA | 2040 | 4.5 | | 1 | 4 |
| 4 | 0045 | 8.2 | | 2 | 5 | 19 | 0205 | 8.2 | | 2 | 5 |
| | 0800 | 2.1 | | 6 | | | 0910 | 1.7 | | 5 | |
| SA | 1455 | 7.2 | | 2 | 2 | SU | 1615 | 8.0 | | 2 | 4 |
| SA | 2015 | 5.2 | | 1 | 6 | DI | 2135 | 4.6 | | 1 | 4 |
| 5 | 0120 | 8.1 | | 2 | 5 | 20 | 0305 | 7.7 | | 2 | 3 |
| | 0840 | 2.4 | | 7 | | | 1005 | 2.5 | | 8 | |
| SU | 1545 | 7.1 | | 2 | 2 | MO | 1710 | 7.8 | | 2 | 4 |
| DI | 2055 | 5.2 | | 1 | 6 | LU | 2235 | 4.8 | | 1 | 4 |
| 6 | 0205 | 8.0 | | 2 | 4 | 21 | 0420 | 7.3 | | 2 | 2 |
| | 0930 | 2.6 | | 8 | | | 1105 | 3.2 | | 1 | 0 |
| MO | 1635 | 7.1 | | 2 | 2 | TU | 1800 | 7.6 | | 2 | 3 |
| LU | 2150 | 5.0 | | 1 | 5 | MA | 2340 | 4.4 | | 1 | 3 |
| 7 | 0315 | 7.7 | | 2 | 3 | 22 | 0545 | 7.1 | | 2 | 2 |
| | 1025 | 2.9 | | 9 | | | 1210 | 3.9 | | 1 | 2 |
| TU | 1725 | 7.2 | | 2 | 2 | WE | 1840 | 7.5 | | 2 | 3 |
| MA | 2255 | 4.8 | | 1 | 4 | ME | | | | | |
| 8 | 0440 | 7.6 | | 2 | 3 | 23 | 0040 | 4.0 | | 1 | 2 |
| | 1130 | 3.1 | | 9 | | | 0705 | 7.2 | | 2 | 2 |
| WE | 1815 | 7.5 | | 2 | 3 | TH | 1305 | 4.3 | | 1 | 3 |
| ME | | | | | | JE | 1915 | 7.6 | | 2 | 3 |
| 9 | 0010 | 4.0 | | 1 | 2 | 24 | 0140 | 3.5 | | 1 | 1 |
| | 0610 | 7.5 | | 2 | 3 | | 0815 | 7.4 | | 2 | 3 |
| TH | 1240 | 3.3 | | 1 | 0 | FR | 1400 | 4.6 | | 1 | 4 |
| JE | 1900 | 7.9 | | 2 | 4 | VE | 1945 | 7.7 | | 2 | 3 |
| 10 | 0120 | 3.1 | | 9 | | 25 | 0230 | 2.9 | | 9 | |
| | 0735 | 7.7 | | 2 | 3 | | 0910 | 7.6 | | 2 | 3 |
| FR | 1345 | 3.4 | | 1 | 0 | SA | 1445 | 4.8 | | 1 | 5 |
| VE | 1950 | 8.3 | | 2 | 5 | SA | 2020 | 7.9 | | 2 | 4 |
| 11 | 0225 | 2.3 | | 7 | | 26 | 0315 | 2.5 | | 8 | |
| | 0850 | 8.0 | | 2 | 4 | | 1000 | 7.9 | | 2 | 4 |
| SA | 1445 | 3.4 | | 1 | 0 | SU | 1530 | 4.8 | | 1 | 5 |
| SA | 2035 | 8.7 | | 2 | 7 | DI | 2055 | 8.1 | | 2 | 5 |
| 12 | 0325 | 1.4 | | 4 | | 27 | 0355 | 2.1 | | 6 | |
| | 0955 | 8.4 | | 2 | 6 | | 1045 | 8.1 | | 2 | 5 |
| SU | 1540 | 3.5 | | 1 | 1 | MO | 1610 | 4.9 | | 1 | 5 |
| DI | 2125 | 9.0 | | 2 | 7 | LU | 2130 | 8.2 | | 2 | 5 |
| 13 | 0415 | .7 | | 2 | | 28 | 0435 | 1.8 | | 5 | |
| | 1050 | 8.7 | | 2 | 7 | | 1130 | 8.2 | | 2 | 5 |
| MO | 1635 | 3.5 | | 1 | 1 | TU | 1650 | 4.9 | | 1 | 5 |
| LU | 2210 | 9.1 | | 2 | 8 | MA | 2210 | 8.4 | | 2 | 6 |
| 14 | 0505 | .3 | | 1 | | 29 | 0515 | 1.7 | | 5 | |
| | 1140 | 8.9 | | 2 | 7 | | 1210 | 8.2 | | 2 | 5 |
| TU | 1725 | 3.6 | | 1 | 1 | WE | 1730 | 5.0 | | 1 | 5 |
| MA | 2300 | 9.2 | | 2 | 8 | ME | 2245 | 8.4 | | 2 | 6 |
| 15 | 0555 | .1 | | 0 | | 30 | 0550 | 1.8 | | 5 | |
| | 1235 | 9.0 | | 2 | 7 | | 1250 | 8.1 | | 2 | 5 |
| WE | 1810 | 3.8 | | 1 | 2 | TH | 1810 | 5.1 | | 1 | 6 |
| ME | 2345 | 9.1 | | 2 | 8 | JE | 2320 | 8.5 | | 2 | 6 |

### DECEMBER-DECEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0630 | 1.6 | | 5 | | 16 | 0020 | 8.0 | | 2 | 7 |
| | 1330 | 7.9 | | 2 | 4 | | 0715 | .7 | | 2 | |
| FR | 1845 | 5.2 | | 1 | 6 | SA | 1405 | 8.7 | | 2 | 7 |
| VE | | | | | | SA | 1940 | 4.2 | | 1 | 3 |
| 2 | 0000 | 8.5 | | 2 | 6 | 17 | 0110 | 8.7 | | 2 | 7 |
| | 0710 | 1.7 | | 5 | | | 0805 | 1.3 | | 4 | |
| SA | 1410 | 7.7 | | 2 | 3 | SU | 1455 | 8.4 | | 2 | 6 |
| SA | 1925 | 5.2 | | 1 | 6 | DI | 2030 | 4.2 | | 1 | 3 |
| 3 | 0040 | 8.5 | | 2 | 6 | 18 | 0200 | 8.3 | | 2 | 5 |
| | 0750 | 1.9 | | 6 | | | 0850 | 2.0 | | 6 | |
| SU | 1450 | 7.6 | | 2 | 3 | MO | 1540 | 8.2 | | 2 | 5 |
| DI | 2010 | 5.0 | | 1 | 5 | LU | 2115 | 4.2 | | 1 | 3 |
| 4 | 0125 | 8.3 | | 2 | 5 | 19 | 0255 | 7.8 | | 2 | 4 |
| | 0830 | 2.1 | | 6 | | | 0935 | 2.8 | | 9 | |
| MO | 1525 | 7.5 | | 2 | 3 | TU | 1620 | 7.9 | | 2 | 4 |
| LU | 2055 | 4.7 | | 1 | 4 | MA | 2210 | 4.1 | | 1 | 2 |
| 5 | 0220 | 8.1 | | 2 | 5 | 20 | 0400 | 7.4 | | 2 | 3 |
| | 0915 | 2.5 | | 8 | | | 1020 | 3.6 | | 1 | 1 |
| TU | 1605 | 7.6 | | 2 | 3 | WE | 1700 | 7.8 | | 2 | 4 |
| MA | 2150 | 4.3 | | 1 | 3 | ME | 2300 | 3.9 | | 1 | 2 |
| 6 | 0325 | 7.8 | | 2 | 4 | 21 | 0505 | 7.1 | | 2 | 2 |
| | 1005 | 2.9 | | 9 | | | 1105 | 4.3 | | 1 | 3 |
| WE | 1645 | 7.8 | | 2 | 4 | TH | 1730 | 7.7 | | 2 | 3 |
| ME | 2245 | 3.7 | | 1 | 1 | JE | 2355 | 3.6 | | 1 | 1 |
| 7 | 0440 | 7.5 | | 2 | 3 | 22 | 0620 | 7.0 | | 2 | 1 |
| | 1100 | 3.3 | | 1 | 0 | | 1155 | 4.8 | | 1 | 5 |
| TH | 1725 | 8.1 | | 2 | 5 | FR | 1800 | 7.7 | | 2 | 3 |
| JE | 2350 | 3.1 | | 9 | | VE | | | | | |
| 8 | 0605 | 7.4 | | 2 | 3 | 23 | 0045 | 3.3 | | 1 | 0 |
| | 1200 | 3.8 | | 1 | 2 | | 0735 | 7.0 | | 2 | 1 |
| FR | 1815 | 8.3 | | 2 | 5 | SA | 1250 | 5.1 | | 1 | 6 |
| VE | | | | | | SA | 1835 | 7.8 | | 2 | 4 |
| 9 | 0055 | 2.5 | | 8 | | 24 | 0140 | 2.9 | | 9 | |
| | 0725 | 7.5 | | 2 | 3 | | 0840 | 7.2 | | 2 | 2 |
| SA | 1305 | 4.1 | | 1 | 2 | SU | 1345 | 5.3 | | 1 | 6 |
| SA | 1905 | 8.5 | | 2 | 6 | DI | 1920 | 7.9 | | 2 | 4 |
| 10 | 0200 | 1.8 | | 5 | | 25 | 0230 | 2.6 | | 8 | |
| | 0840 | 7.7 | | 2 | 3 | | 0940 | 7.4 | | 2 | 3 |
| SU | 1415 | 4.2 | | 1 | 3 | MO | 1440 | 5.4 | | 1 | 6 |
| DI | 1955 | 8.7 | | 2 | 7 | LU | 2005 | 8.0 | | 2 | 4 |
| 11 | 0300 | 1.2 | | 4 | | 26 | 0320 | 2.3 | | 7 | |
| | 0945 | 8.1 | | 2 | 5 | | 1035 | 7.7 | | 2 | 3 |
| MO | 1515 | 4.3 | | 1 | 3 | TU | 1535 | 5.5 | | 1 | 7 |
| LU | 2050 | 8.9 | | 2 | 7 | MA | 2050 | 8.2 | | 2 | 5 |
| 12 | 0355 | .7 | | 2 | | 27 | 0410 | 1.9 | | 6 | |
| | 1040 | 8.4 | | 2 | 6 | | 1120 | 7.9 | | 2 | 4 |
| TU | 1615 | 4.2 | | 1 | 3 | WE | 1625 | 5.4 | | 1 | 6 |
| MA | 2145 | 8.1 | | 2 | 8 | ME | 2140 | 8.4 | | 2 | 6 |
| 13 | 0450 | .4 | | 1 | | 28 | 0455 | 1.8 | | 5 | |
| | 1135 | 8.7 | | 2 | 7 | | 1205 | 8.0 | | 2 | 4 |
| WE | 1705 | 4.2 | | 1 | 3 | TH | 1710 | 5.4 | | 1 | 6 |
| ME | 2240 | 8.1 | | 2 | 8 | JE | 2225 | 8.6 | | 2 | 6 |
| 14 | 0540 | .2 | | 1 | | 29 | 0535 | 1.4 | | 4 | |
| | 1225 | 8.8 | | 2 | 7 | | 1240 | 8.1 | | 2 | 5 |
| TH | 1800 | 4.1 | | 1 | 2 | FR | 1750 | 5.2 | | 1 | 6 |
| JE | 2330 | 8.1 | | 2 | 8 | VE | 2310 | 8.7 | | 2 | 7 |
| 15 | 0630 | .3 | | 1 | | 30 | 0615 | 1.3 | | 4 | |
| | 1315 | 8.8 | | 2 | 7 | | 1315 | 8.1 | | 2 | 5 |
| FR | 1850 | 4.2 | | 1 | 3 | SA | 1835 | 5.0 | | 1 | 5 |
| VE | | | | | | SA | 2355 | 8.8 | | 2 | 7 |
| | | | | | | 31 | 0655 | 1.3 | | 4 | |
| | | | | | | | 1350 | 8.1 | | 2 | 5 |
| | | | | | | SU | 1915 | 4.8 | | 1 | 4 |
| | | | | | | DI | | | | | |

# SHEDIAC BAY (AST −2 h 4)



1989

## JANUARY-JANVIER

| Day | Time | Ht / ft | Ht / m | Jour | Heure | Ht / ft | Ht / m |
|---|---|---|---|---|---|---|---|
| 1 | 0530 | 3.8 | 1.2 | 16 | 0610 | 3.8 | 1.2 |
| | 0925 | 3.5 | 1.1 | | 0825 | 3.7 | 1.1 |
| SU | 1615 | 4.4 | 1.3 | MO | 1610 | 4.9 | 1.5 |
| DI | 2350 | 2.3 | .7 | LU | | | |
| 2 | 0830 | 3.9 | 1.2 | 17 | 0020 | 1.5 | .5 |
| | 0915 | 3.8 | 1.2 | | 1640 | 5.1 | 1.6 |
| MO | 1620 | 4.6 | 1.4 | TU | | | |
| LU | | | | MA | | | |
| 3 | 0025 | 1.9 | .6 | 18 | 0115 | 1.3 | .4 |
| | 1620 | 4.8 | 1.5 | | 1705 | 5.2 | 1.6 |
| TU | | | | WE | | | |
| MA | | | | ME | | | |
| 4 | 0105 | 1.7 | .5 | 19 | 0210 | 1.2 | .4 |
| | 1615 | 5.0 | 1.5 | | 1715 | 5.2 | 1.6 |
| WE | | | | TH | | | |
| ME | | | | JE | | | |
| 5 | 0155 | 1.4 | .4 | 20 | 0300 | 1.1 | .3 |
| | 1620 | 5.2 | 1.6 | | 1650 | 5.2 | 1.6 |
| TH | | | | FR | • | | |
| JE | | | | VE | | | |
| 6 | 0240 | 1.2 | .4 | 21 | 0350 | 1.1 | .3 |
| | 1635 | 5.4 | 1.6 | | 1630 | 5.2 | 1.6 |
| FR | | | | SA | | | |
| VE | | | | SA | | | |
| 7 | 0325 | 1.1 | .3 | 22 | 0430 | 1.2 | .4 |
| | 1705 | 5.4 | 1.6 | | 1640 | 5.1 | 1.6 |
| SA | | | | SU | | | |
| SA | | | | DI | | | |
| 8 | 0405 | 1.0 | .3 | 23 | 0505 | 1.4 | .4 |
| | 1735 | 5.3 | 1.6 | | 1455 | 4.9 | 1.5 |
| SU | | | | MO | 2100 | 4.5 | 1.4 |
| DI | | | | LU | 2300 | 4.4 | 1.3 |
| 9 | 0445 | 1.0 | .3 | 24 | 0535 | 1.6 | .5 |
| | 1510 | 5.0 | 1.5 | | 1450 | 4.7 | 1.4 |
| MO | 1540 | 5.0 | 1.5 | TU | 2155 | 4.2 | 1.3 |
| LU | 1810 | 5.1 | 1.6 | MA | 2310 | 4.2 | 1.3 |
| 10 | 0520 | 1.1 | .3 | 25 | 0610 | 1.9 | .6 |
| | 1445 | 4.8 | 1.5 | | 1500 | 4.5 | 1.4 |
| TU | 1715 | 4.7 | 1.4 | WE | 2205 | 3.9 | 1.2 |
| MA | 2320 | 4.3 | 1.3 | ME | | | |
| 11 | 0600 | 1.3 | .4 | 26 | 0035 | 4.0 | 1.2 |
| | 1440 | 4.7 | 1.4 | | 0645 | 2.2 | .7 |
| WE | 2220 | 4.0 | 1.2 | TH | 1500 | 4.2 | 1.3 |
| ME | | | | JE | 2215 | 3.5 | 1.1 |
| 12 | 0040 | 4.1 | 1.2 | 27 | 0150 | 3.9 | 1.2 |
| | 0635 | 1.7 | .5 | | 0715 | 2.6 | .8 |
| TH | 1450 | 4.6 | 1.4 | FR | 1500 | 4.1 | 1.2 |
| JE | 2215 | 3.5 | 1.1 | VE | 2215 | 3.2 | 1.0 |
| 13 | 0200 | 4.0 | 1.2 | 28 | 0255 | 3.9 | 1.2 |
| | 0715 | 2.2 | .7 | | 0745 | 3.0 | .9 |
| FR | 1500 | 4.6 | 1.4 | SA | 1500 | 4.1 | 1.2 |
| VE | 2220 | 2.9 | .9 | SA | 2210 | 2.7 | .8 |
| 14 | 0315 | 3.9 | 1.2 | 29 | 0400 | 3.8 | 1.2 |
| | 0750 | 2.7 | .8 | | 0800 | 3.3 | 1.0 |
| SA | 1520 | 4.7 | 1.4 | SU | 1510 | 4.3 | 1.3 |
| SA | 2245 | 2.3 | .7 | DI | 2215 | 2.4 | .7 |
| 15 | 0430 | 3.8 | 1.2 | 30 | 0510 | 3.8 | 1.2 |
| | 0815 | 3.2 | 1.0 | | 0805 | 3.6 | 1.1 |
| SU | 1545 | 4.8 | 1.5 | MO | 1520 | 4.5 | 1.4 |
| DI | 2325 | 1.9 | .6 | LU | 2255 | 2.0 | .6 |
| | | | | 31 | 0630 | 3.7 | 1.1 |
| | | | | | 0815 | 3.8 | 1.2 |
| | | | | TU | 1530 | 4.8 | 1.5 |
| | | | | MA | 2340 | 1.8 | .5 |

## FEBRUARY-FEVRIER

| Day | Time | Ht / ft | Ht / m | Jour | Heure | Ht / ft | Ht / m |
|---|---|---|---|---|---|---|---|
| 1 | 1535 | 5.0 | 1.5 | 16 | 0100 | 1.4 | .4 |
| | | | | | 1635 | 5.1 | 1.6 |
| WE | | | | TH | | | |
| ME | | | | JE | | | |
| 2 | 0035 | 1.6 | .5 | 17 | 0155 | 1.4 | .4 |
| | 1550 | 5.2 | 1.6 | | 1635 | 5.0 | 1.5 |
| TH | | | | FR | | | |
| JE | | | | VE | | | |
| 3 | 0125 | 1.4 | .4 | 18 | 0240 | 1.5 | .5 |
| | 1605 | 5.3 | 1.6 | | 1605 | 4.9 | 1.5 |
| FR | | | | SA | | | |
| VE | | | | SA | | | |
| 4 | 0210 | 1.3 | .4 | 19 | 0330 | 1.7 | .5 |
| | 1625 | 5.4 | 1.6 | | 1555 | 4.7 | 1.4 |
| SA | | | | SU | | | |
| SA | | | | DI | | | |
| 5 | 0255 | 1.2 | .4 | 20 | 0410 | 1.8 | .5 |
| | 1700 | 5.2 | 1.6 | | 1605 | 4.5 | 1.4 |
| SU | | | | MO | 2010 | 4.1 | 1.2 |
| DI | | | | LU | 2120 | 4.2 | 1.3 |
| 6 | 0335 | 1.2 | .4 | 21 | 0455 | 2.0 | .6 |
| | 1740 | 4.9 | 1.5 | | 1350 | 4.2 | 1.3 |
| MO | | | | TU | 2020 | 3.9 | 1.2 |
| LU | | | | MA | 2245 | 4.0 | 1.2 |
| 7 | 0415 | 1.3 | .4 | 22 | 0550 | 2.3 | .7 |
| | 1405 | 4.3 | 1.3 | | 1350 | 4.0 | 1.2 |
| TU | 1630 | 4.5 | 1.4 | WE | 2035 | 3.6 | 1.1 |
| MA | 2240 | 4.2 | 1.3 | ME | | | |
| 8 | 0455 | 1.6 | .5 | 23 | 0005 | 4.0 | 1.2 |
| | 1335 | 4.1 | 1.2 | | 0720 | 2.5 | .8 |
| WE | 1640 | 3.7 | 1.1 | TH | 1350 | 3.8 | 1.2 |
| ME | 2330 | 4.1 | 1.2 | JE | 2040 | 3.3 | 1.0 |
| 9 | 0535 | 1.9 | .6 | 24 | 0115 | 4.0 | 1.2 |
| | 1325 | 4.0 | 1.2 | | 0825 | 2.8 | .9 |
| TH | 1745 | 3.1 | .9 | FR | 1340 | 3.6 | 1.1 |
| JE | | | | VE | 1815 | 2.9 | .9 |
| 10 | 0100 | 4.0 | 1.2 | 25 | 0220 | 4.1 | 1.2 |
| | 0610 | 2.4 | .7 | | 0910 | 3.2 | 1.0 |
| FR | 1340 | 4.1 | 1.2 | SA | 1340 | 3.7 | 1.1 |
| VE | 1845 | 2.6 | .8 | SA | 1900 | 2.5 | .8 |
| 11 | 0220 | 4.0 | 1.2 | 26 | 0315 | 4.1 | 1.2 |
| | 0645 | 2.8 | .9 | | 0720 | 3.5 | 1.1 |
| SA | 1400 | 4.3 | 1.3 | SU | 1350 | 3.9 | 1.2 |
| SA | 1955 | 2.1 | .6 | DI | 1945 | 2.1 | .6 |
| 12 | 0330 | 4.0 | 1.2 | 27 | 0405 | 4.0 | 1.2 |
| | 0710 | 3.3 | 1.0 | | 0720 | 3.7 | 1.1 |
| SU | 1430 | 4.5 | 1.4 | MO | 1405 | 4.2 | 1.3 |
| DI | 2120 | 1.8 | .5 | LU | 2035 | 1.9 | .6 |
| 13 | 0445 | 3.9 | 1.2 | 28 | 0505 | 3.9 | 1.2 |
| | 0730 | 3.6 | 1.1 | | 0705 | 3.6 | 1.2 |
| MO | 1500 | 4.8 | 1.5 | TU | 1420 | 4.4 | 1.3 |
| LU | 2250 | 1.5 | .5 | MA | 2135 | 1.8 | .5 |
| 14 | 0630 | 3.8 | 1.2 | | | | |
| | 0710 | 3.8 | 1.2 | | | | |
| TU | 1535 | 5.0 | 1.5 | | | | |
| MA | | | | | | | |
| 15 | 0000 | 1.4 | .4 | | | | |
| | 1605 | 5.1 | 1.6 | | | | |
| WE | | | | | | | |
| ME | | | | | | | |

## MARCH-MARS

| Day | Time | Ht / ft | Ht / m | Jour | Heure | Ht / ft | Ht / m |
|---|---|---|---|---|---|---|---|
| 1 | 1430 | 4.7 | 1.4 | 16 | 1540 | 4.8 | 1.5 |
| | 2240 | 1.7 | .5 | | | | |
| WE | | | | TH | | | |
| ME | | | | JE | | | |
| 2 | 1445 | 4.9 | 1.5 | 17 | 0020 | 1.7 | .5 |
| | 2345 | 1.8 | .5 | | 1605 | 4.8 | 1.4 |
| TH | | | | FR | | | |
| JE | | | | VE | | | |
| 3 | 1500 | 5.0 | 1.5 | 18 | 0110 | 1.9 | .6 |
| | | | | | 1520 | 4.4 | 1.3 |
| FR | | | | SA | | | |
| VE | | | | SA | | | |
| 4 | 0035 | 1.6 | .5 | 19 | 0155 | 2.2 | .7 |
| | 1525 | 5.0 | 1.5 | | 1335 | 4.1 | 1.2 |
| SA | | | | SU | | | |
| SA | | | | DI | | | |
| 5 | 0125 | 1.6 | .5 | 20 | 0250 | 2.4 | .7 |
| | 1600 | 4.8 | 1.5 | | 1150 | 4.0 | 1.2 |
| SU | | | | MO | 1830 | 3.6 | 1.1 |
| DI | | | | LU | 2110 | 3.8 | 1.2 |
| 6 | 0210 | 1.7 | .5 | 21 | 0430 | 2.6 | .8 |
| | 1650 | 4.5 | 1.4 | | 1150 | 3.8 | 1.2 |
| MO | | | | TU | 1845 | 3.3 | 1.0 |
| LU | | | | MA | 2245 | 3.9 | 1.2 |
| 7 | 0300 | 1.9 | .6 | 22 | 0630 | 2.7 | .8 |
| | 1200 | 3.6 | 1.1 | | 1155 | 3.6 | 1.1 |
| TU | 1800 | 4.1 | 1.2 | WE | 1855 | 3.1 | .9 |
| MA | 2230 | 3.8 | 1.2 | ME | | | |
| 8 | 0345 | 2.1 | .6 | 23 | 0000 | 4.1 | 1.2 |
| | 1130 | 3.5 | 1.1 | | 0730 | 2.9 | .9 |
| WE | 1525 | 3.1 | .9 | TH | 1145 | 3.4 | 1.0 |
| ME | 2255 | 4.0 | 1.2 | JE | 1650 | 2.7 | .8 |
| 9 | 0425 | 2.5 | .8 | 24 | 0100 | 4.2 | 1.3 |
| | 1125 | 3.5 | 1.1 | | 0825 | 3.1 | .9 |
| TH | 1625 | 2.5 | .8 | FR | 1145 | 3.4 | 1.0 |
| JE | | | | VE | 1710 | 2.3 | .7 |
| 10 | 0020 | 4.1 | 1.2 | 25 | 0150 | 4.4 | 1.3 |
| | 0510 | 2.9 | .9 | | 0910 | 3.3 | 1.0 |
| FR | 1145 | 3.7 | 1.1 | SA | 1155 | 3.5 | 1.1 |
| VE | 1730 | 2.0 | .6 | SA | 1750 | 2.0 | .6 |
| 11 | 0140 | 4.2 | 1.3 | 26 | 0240 | 4.5 | 1.4 |
| | 0545 | 3.3 | 1.0 | | 1000 | 3.6 | 1.1 |
| SA | 1210 | 3.9 | 1.2 | SU | 1210 | 3.7 | 1.1 |
| SA | 1820 | 1.5 | .5 | DI | 1825 | 1.7 | .5 |
| 12 | 0250 | 4.3 | 1.3 | 27 | 0325 | 4.4 | 1.3 |
| | 0615 | 3.7 | 1.1 | | 1040 | 3.9 | 1.2 |
| SU | 1245 | 4.2 | 1.3 | MO | 1230 | 3.9 | 1.2 |
| DI | 1920 | 1.3 | .4 | LU | 1910 | 1.5 | .5 |
| 13 | 0350 | 4.2 | 1.3 | 28 | 0415 | 4.3 | 1.3 |
| | 0640 | 3.9 | 1.2 | | 0845 | 4.3 | 1.3 |
| MO | 1330 | 4.5 | 1.4 | TU | 1250 | 4.2 | 1.3 |
| LU | 2030 | 1.3 | .4 | MA | 1955 | 1.5 | .5 |
| 14 | 0455 | 4.1 | 1.2 | 29 | 0515 | 4.2 | 1.3 |
| | 0655 | 4.0 | 1.2 | | 0945 | 4.4 | 1.3 |
| TU | 1415 | 4.7 | 1.4 | WE | 1305 | 4.4 | 1.3 |
| MA | 2205 | 1.3 | .4 | ME | 2045 | 1.5 | .5 |
| 15 | 1500 | 4.8 | 1.5 | 30 | 0530 | 4.1 | 1.2 |
| | 2320 | 1.5 | .5 | | 1115 | 4.6 | 1.4 |
| WE | | | | TH | 1345 | 4.6 | 1.4 |
| ME | | | | JE | 2145 | 1.5 | .5 |
| | | | | 31 | 1125 | 4.5 | 1.4 |
| | | | | | 2245 | 1.6 | .5 |
| | | | | FR | | | |
| | | | | VE | | | |

V-2

## TABLE DES MARÉES

# SHEDIAC BAY (HNA 2-4)

1989

### APRIL-AVRIL

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1235 | 4.4 | 14 | | | 16 | 0005 | 2.3 | | 7 | |
| | 1310 | 4.4 | 13 | | | | 0900 | 4.0 | | 12 | |
| SA | 1345 | 4.4 | 13 | | | SU | 1540 | 3.7 | | 11 | |
| SA | 2340 | 1.8 | | 5 | | DI | 1750 | 3.7 | | 11 | |
| 2 | 1450 | 4.2 | 13 | | | 17 | 0055 | 2.7 | | 8 | |
| | | | | | | | 0910 | 3.9 | | 12 | |
| | | | | | | MO | 1635 | 3.3 | | 10 | |
| SU | | | | | | | | | | | |
| DI | | | | | | LU | 2045 | 3.6 | | 11 | |
| 3 | 0035 | 2.0 | | 6 | | 18 | 0205 | 3.0 | | 9 | |
| | 1055 | 3.8 | | 12 | | | 0920 | 3.7 | | 11 | |
| MO | 1235 | 3.7 | | 11 | | TU | 1655 | 2.9 | | 9 | |
| LU | 1600 | 3.9 | | 12 | | MA | 2225 | 3.9 | | 12 | |
| 4 | 0125 | 2.3 | | 7 | | 19 | 0530 | 3.2 | | 10 | |
| | 0910 | 3.6 | | 11 | | | 0930 | 3.6 | | 11 | |
| TU | 1340 | 3.2 | | 10 | | WE | 1700 | 2.6 | | 8 | |
| MA | 2040 | 3.6 | | 11 | | ME | 2330 | 4.2 | | 13 | |
| 5 | 0220 | 2.7 | | 8 | | 20 | 0640 | 3.3 | | 10 | |
| | 0905 | 3.5 | | 11 | | | 0940 | 3.6 | | 11 | |
| WE | 1435 | 2.6 | | 8 | | TH | 1625 | 2.2 | | 7 | |
| ME | 2235 | 3.9 | | 12 | | JE | | | | | |
| 6 | 0315 | 3.1 | | 9 | | 21 | 0025 | 4.4 | | 13 | |
| | 0920 | 3.6 | | 11 | | | 0735 | 3.4 | | 10 | |
| TH | 1525 | 2.0 | | 6 | | FR | 0955 | 3.6 | | 11 | |
| JE | | | | | | VE | 1635 | 1.9 | | 6 | |
| 7 | 0005 | 4.2 | | 13 | | 22 | 0115 | 4.6 | | 14 | |
| | 0405 | 3.5 | | 11 | | | 0825 | 3.6 | | 11 | |
| FR | 0935 | 3.7 | | 11 | | SA | 1015 | 3.7 | | 11 | |
| VE | 1620 | 1.4 | | 4 | | SA | 1705 | 1.6 | | 5 | |
| 8 | 0115 | 4.4 | | 13 | | 23 | 0200 | 4.7 | | 14 | |
| | 0450 | 3.9 | | 12 | | | 0920 | 3.8 | | 12 | |
| SA | 0945 | 4.0 | | 12 | | SU | 1030 | 3.8 | | 12 | |
| SA | 1715 | 1.0 | | 3 | | DI | 1740 | 1.3 | | 4 | |
| 9 | 0215 | 4.6 | | 14 | | 24 | 0250 | 4.8 | | 15 | |
| | 0525 | 4.2 | | 13 | | | 0615 | 4.4 | | 13 | |
| SU | 1200 | 4.1 | | 12 | | MO | 1215 | 4.0 | | 12 | |
| DI | 1810 | .9 | | 3 | | LU | 1815 | 1.2 | | 4 | |
| 10 | 0310 | 4.7 | | 14 | | 25 | 0335 | 4.7 | | 14 | |
| | 0555 | 4.4 | | 13 | | | 0615 | 4.6 | | 14 | |
| MO | 1125 | 4.4 | | 13 | | TU | 1245 | 4.2 | | 13 | |
| LU | 1905 | .9 | | 3 | | MA | 1855 | 1.2 | | 4 | |
| 11 | 0405 | 4.6 | | 14 | | 26 | 0420 | 4.6 | | 14 | |
| | 0615 | 4.4 | | 13 | | | 0800 | 4.6 | | 14 | |
| TU | 1240 | 4.6 | | 14 | | WE | 1330 | 4.3 | | 13 | |
| MA | 2010 | 1.0 | | 3 | | ME | 1940 | 1.2 | | 4 | |
| 12 | 0455 | 4.4 | | 13 | | 27 | 0505 | 4.5 | | 14 | |
| | 0935 | 4.6 | | 14 | | | 0835 | 4.6 | | 14 | |
| WE | 1345 | 4.7 | | 14 | | TH | 1415 | 4.3 | | 13 | |
| ME | 2125 | 1.3 | | 4 | | JE | 2025 | 1.3 | | 4 | |
| 13 | 0555 | 4.3 | | 13 | | 28 | 0555 | 4.4 | | 13 | |
| | 1005 | 4.4 | | 13 | | | 0905 | 4.5 | | 14 | |
| TH | 1440 | 4.6 | | 14 | | FR | 1445 | 4.2 | | 13 | |
| JE | 2230 | 1.6 | | 5 | | VE | 2110 | 1.5 | | 5 | |
| 14 | 0600 | 4.1 | | 12 | | 29 | 0610 | 4.3 | | 13 | |
| | 1215 | 4.2 | | 13 | | | 0910 | 4.3 | | 13 | |
| FR | 1525 | 4.4 | | 13 | | SA | 1515 | 4.1 | | 12 | |
| VE | 2320 | 2.0 | | 6 | | SA | 2205 | 1.8 | | 5 | |
| 15 | 0935 | 4.1 | | 12 | | 30 | 0620 | 4.1 | | 12 | |
| | 1320 | 4.0 | | 12 | | | 1330 | 3.8 | | 12 | |
| SA | 1615 | 4.0 | | 12 | | SU | 1515 | 3.8 | | 12 | |
| SA | | | | | | DI | 2255 | 2.1 | | 6 | |

### MAY-MAI

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0635 | 4.0 | | 12 | | 16 | 0010 | 3.1 | | 9 | |
| | 1315 | 3.4 | | 10 | | | 0655 | 3.9 | | 12 | |
| MO | 1710 | 3.5 | | 11 | | TU | 1410 | 2.8 | | 9 | |
| LU | 2350 | 2.5 | | 8 | | MA | 2115 | 3.8 | | 12 | |
| 2 | 0650 | 3.9 | | 12 | | 17 | 0125 | 3.5 | | 11 | |
| | 1320 | 2.8 | | 9 | | | 0720 | 3.9 | | 12 | |
| TU | 1945 | 3.5 | | 11 | | WE | 1435 | 2.4 | | 7 | |
| MA | | | | | | ME | 2230 | 4.1 | | 12 | |
| 3 | 0045 | 3.8 | | 9 | | 18 | 0455 | 3.7 | | 11 | |
| | 0710 | 3.9 | | 12 | | | 0750 | 3.8 | | 12 | |
| WE | 1350 | 2.3 | | 7 | | TH | 1505 | 2.0 | | 6 | |
| ME | 2210 | 3.8 | | 12 | | JE | 2330 | 4.4 | | 13 | |
| 4 | 0145 | 3.5 | | 11 | | 19 | 0620 | 3.8 | | 12 | |
| | 0725 | 3.9 | | 12 | | | 0815 | 3.9 | | 12 | |
| TH | 1440 | 1.7 | | 5 | | FR | 1540 | 1.7 | | 5 | |
| JE | 2335 | 4.2 | | 13 | | VE | | | | | |
| 5 | 0250 | 4.0 | | 12 | | 20 | 0025 | 4.6 | | 14 | |
| | 0605 | 4.1 | | 12 | | | 0720 | 4.0 | | 12 | |
| FR | 1530 | 1.2 | | 4 | | SA | 0840 | 4.0 | | 12 | |
| VE | | | | | | SA | 1615 | 1.4 | | 4 | |
| 6 | 0045 | 4.6 | | 14 | | 21 | 0120 | 4.8 | | 15 | |
| | 0350 | 4.3 | | 13 | | | 0820 | 4.2 | | 13 | |
| SA | 0945 | 4.1 | | 12 | | SU | 0855 | 4.2 | | 13 | |
| SA | 1625 | .8 | | 2 | | DI | 1650 | 1.2 | | 4 | |
| 7 | 0140 | 4.8 | | 15 | | 22 | 0210 | 4.9 | | 15 | |
| | 0435 | 4.6 | | 14 | | | 0530 | 4.7 | | 14 | |
| SU | 1030 | 4.4 | | 13 | | MO | 1045 | 4.3 | | 13 | |
| DI | 1720 | .6 | | 2 | | LU | 1730 | 1.1 | | 3 | |
| 8 | 0230 | 4.9 | | 15 | | 23 | 0255 | 4.9 | | 15 | |
| | 0505 | 4.7 | | 14 | | | 0545 | 4.8 | | 15 | |
| MO | 1130 | 4.5 | | 14 | | TU | 1145 | 4.4 | | 13 | |
| LU | 1810 | .6 | | 2 | | MA | 1805 | 1.0 | | 3 | |
| 9 | 0315 | 4.9 | | 15 | | 24 | 0335 | 4.9 | | 15 | |
| | 0530 | 4.7 | | 14 | | | 0700 | 4.8 | | 15 | |
| TU | 1105 | 4.8 | | 15 | | WE | 1230 | 4.4 | | 13 | |
| MA | 1905 | .8 | | 2 | | ME | 1845 | 1.1 | | 3 | |
| 10 | 0400 | 4.8 | | 15 | | 25 | 0405 | 4.8 | | 15 | |
| | 0605 | 4.6 | | 14 | | | 0800 | 4.7 | | 14 | |
| WE | 1225 | 4.7 | | 14 | | TH | 1315 | 4.4 | | 13 | |
| ME | 2000 | 1.1 | | 3 | | JE | 1925 | 1.2 | | 4 | |
| 11 | 0435 | 4.6 | | 14 | | 26 | 0425 | 4.7 | | 14 | |
| | 0645 | 4.5 | | 14 | | | 1140 | 4.2 | | 13 | |
| TH | 1335 | 4.6 | | 14 | | FR | 1320 | 4.2 | | 13 | |
| JE | 2055 | 1.5 | | 5 | | VE | 2005 | 1.4 | | 4 | |
| 12 | 0510 | 4.4 | | 13 | | 27 | 0435 | 4.6 | | 14 | |
| | 1130 | 4.2 | | 13 | | | 1155 | 3.9 | | 12 | |
| FR | 1435 | 4.4 | | 13 | | SA | 1425 | 4.0 | | 12 | |
| VE | 2140 | 1.9 | | 6 | | SA | 2050 | 1.7 | | 5 | |
| 13 | 0540 | 4.3 | | 13 | | 28 | 0450 | 4.4 | | 13 | |
| | 1215 | 3.8 | | 12 | | | 1210 | 3.5 | | 11 | |
| SA | 1535 | 4.1 | | 12 | | SU | 1530 | 3.8 | | 12 | |
| SA | 2230 | 2.3 | | 7 | | DI | 2135 | 2.1 | | 6 | |
| 14 | 0605 | 4.2 | | 13 | | 29 | 0505 | 4.3 | | 13 | |
| | 1255 | 3.5 | | 11 | | | 1215 | 3.1 | | 9 | |
| SU | 1645 | 3.3 | | 12 | | MO | 1640 | 3.7 | | 11 | |
| DI | 2315 | 2.7 | | 8 | | LU | 2220 | 2.5 | | 8 | |
| 15 | 0630 | 4.0 | | 12 | | 30 | 0525 | 4.2 | | 13 | |
| | 1335 | 3.1 | | 9 | | | 1230 | 2.6 | | 8 | |
| MO | 1845 | 3.6 | | 11 | | TU | 1815 | 3.6 | | 11 | |
| LU | | | | | | MA | 2305 | 3.1 | | 9 | |
| | | | | | | 31 | 0545 | 4.2 | | 13 | |
| | | | | | | | 1255 | 2.1 | | 6 | |
| | | | | | | WE | 2050 | 3.8 | | 12 | |
| | | | | | | ME | 2355 | 3.6 | | 11 | |

### JUNE-JUIN

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0605 | 4.3 | | 13 | | 16 | 0140 | 4.1 | | 12 | |
| | 1340 | 1.8 | | 5 | | | 0555 | 4.2 | | 13 | |
| TH | 2300 | 4.1 | | 12 | | FR | 1410 | 1.7 | | 5 | |
| JE | | | | | | VE | 2350 | 4.5 | | 14 | |
| 2 | 0045 | 4.1 | | 12 | | 17 | 0510 | 4.4 | | 13 | |
| | 0620 | 4.4 | | 13 | | | 0815 | 4.2 | | 13 | |
| FR | 1435 | 1.2 | | 4 | | SA | 1500 | 1.5 | | 5 | |
| VE | | | | | | SA | | | | | |
| 3 | 0025 | 4.5 | | 14 | | 18 | 0105 | 4.7 | | 14 | |
| | 0145 | 4.5 | | 14 | | | 0430 | 4.6 | | 14 | |
| SA | 0610 | 4.6 | | 14 | | SU | 0745 | 4.5 | | 14 | |
| SA | 1535 | .9 | | 3 | | DI | 1545 | 1.3 | | 4 | |
| 4 | 0120 | 4.8 | | 15 | | 19 | 0205 | 4.8 | | 15 | |
| | 0255 | 4.8 | | 15 | | | 0530 | 4.8 | | 15 | |
| SU | 0535 | 4.8 | | 15 | | MO | 0845 | 4.6 | | 14 | |
| DI | 1e30 | .7 | | 2 | | LU | 1630 | 1.1 | | 3 | |
| 5 | 0200 | 4.9 | | 15 | | 20 | 0245 | 4.9 | | 15 | |
| | 0345 | 4.9 | | 15 | | | 0520 | 4.9 | | 15 | |
| MO | 0615 | 4.9 | | 15 | | TU | 0930 | 4.6 | | 14 | |
| LU | 1720 | .7 | | 2 | | MA | 1710 | 1.1 | | 3 | |
| 6 | 0240 | 4.9 | | 15 | | 21 | 0300 | 4.8 | | 15 | |
| | 0425 | 4.9 | | 15 | | | 0600 | 4.8 | | 15 | |
| TU | 0955 | 4.9 | | 15 | | WE | 1050 | 4.5 | | 14 | |
| MA | 1810 | .8 | | 2 | | ME | 1745 | 1.1 | | 3 | |
| 7 | 0310 | 4.8 | | 15 | | 22 | 0310 | 4.7 | | 14 | |
| | 0505 | 4.7 | | 14 | | | 0535 | 4.7 | | 14 | |
| WE | 1110 | 4.9 | | 15 | | TH | 1130 | 4.4 | | 13 | |
| ME | 1855 | 1.1 | | 3 | | JE | 1820 | 1.2 | | 4 | |
| 8 | 0340 | 4.7 | | 14 | | 23 | 0320 | 4.6 | | 14 | |
| | 0945 | 4.5 | | 14 | | | 1025 | 4.2 | | 13 | |
| TH | 1225 | 4.7 | | 14 | | FR | 1225 | 4.3 | | 13 | |
| JE | 1940 | 1.4 | | 4 | | VE | 1900 | 1.4 | | 4 | |
| 9 | 0405 | 4.5 | | 14 | | 24 | 0325 | 4.5 | | 14 | |
| | 1030 | 4.2 | | 13 | | | 1035 | 3.8 | | 12 | |
| FR | 1335 | 4.4 | | 13 | | SA | 1340 | 4.1 | | 12 | |
| VE | 2020 | 1.8 | | 5 | | SA | 1940 | 1.7 | | 5 | |
| 10 | 0425 | 4.4 | | 13 | | 25 | 0335 | 4.4 | | 13 | |
| | 1105 | 3.8 | | 12 | | | 1045 | 3.4 | | 10 | |
| SA | 1440 | 4.2 | | 13 | | SU | 1445 | 4.0 | | 12 | |
| SA | 2105 | 2.2 | | .7 | | DI | 2015 | 2.1 | | 6 | |
| 11 | 0440 | 4.2 | | 13 | | 26 | 0350 | 4.4 | | 13 | |
| | 1130 | 3.4 | | 10 | | | 1050 | 2.9 | | 9 | |
| SU | 1545 | 3.9 | | 12 | | MO | 1550 | 3.9 | | 12 | |
| DI | 2150 | 2.6 | | 8 | | LU | 2055 | 2.6 | | 8 | |
| 12 | 0455 | 4.1 | | 12 | | 27 | 0410 | 4.4 | | 13 | |
| | 1155 | 3.1 | | 9 | | | 1105 | 2.4 | | 7 | |
| MO | 1700 | 3.8 | | 12 | | TU | 1705 | 3.8 | | 12 | |
| LU | 2235 | 3.0 | | 9 | | MA | 2130 | 3.1 | | 9 | |
| 13 | 0510 | 4.1 | | 12 | | 28 | 0430 | 4.4 | | 13 | |
| | 1220 | 2.7 | | 8 | | | 1140 | 1.9 | | 6 | |
| TU | 1900 | 3.7 | | 11 | | WE | 1840 | 3.8 | | 12 | |
| MA | 2325 | 3.4 | | 10 | | ME | 2150 | 3.6 | | 11 | |
| 14 | 0530 | 4.0 | | 12 | | 29 | 0450 | 4.5 | | 14 | |
| | 1250 | 2.3 | | 7 | | | 1230 | 1.8 | | 5 | |
| WE | 2105 | 4.0 | | 12 | | TH | 2000 | 4.0 | | 12 | |
| ME | | | | | | JE | | | | | |
| 15 | 0025 | 3.8 | | 12 | | 30 | 0130 | 4.3 | | 13 | |
| | 0545 | 4.1 | | 12 | | | 0510 | 4.7 | | 14 | |
| TH | 1325 | 2.0 | | 6 | | FR | 1330 | 1.3 | | 4 | |
| JE | 2235 | 4.2 | | 13 | | VE | 2200 | 4.3 | | 13 | |

# SHEDIAC BAY (AST 2+4)



1989

## JULY-JUILLET

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0150 | 4.6 | 1.4 | 16 | 0410 | 4.9 | 1.5 |
| | 0530 | 4.8 | 1.5 | | 1420 | 1.4 | 4 |
| SA | 1430 | 1.1 | .3 | SU | | | |
| SA | | | | DI | | | |
| 2 | 0540 | 5.0 | 1.5 | 17 | 0425 | 5.0 | 1.5 |
| | 1530 | 1.0 | .3 | | 1510 | 1.3 | 4 |
| SU | | | | MO | | | |
| DI | | | | LU | | | |
| 3 | 0545 | 5.0 | 1.5 | 18 | 0450 | 5.0 | 1.5 |
| | 1620 | .9 | .3 | | 1550 | 1.5 | 4 |
| MO | | | | TU | | | |
| LU | | | | MA | | | |
| 4 | 0600 | 5.0 | 1.5 | 19 | 0520 | 4.9 | 1.5 |
| | 1705 | 1.0 | .3 | | 1630 | 1.3 | 4 |
| TU | | | | WE | | | |
| MA | | | | ME | | | |
| 5 | 0240 | 4.8 | 1.5 | 20 | 0240 | 4.6 | 1.4 |
| | 0615 | 4.8 | 1.5 | | 0330 | 4.6 | 1.4 |
| WE | 0955 | 4.8 | 1.5 | TH | 0555 | 4.7 | 1.4 |
| ME | 1750 | 1.3 | .4 | JE | 1710 | 1.4 | 4 |
| 6 | 0250 | 4.6 | 1.4 | 21 | 0220 | 4.4 | 1.3 |
| | 0635 | 4.6 | 1.4 | | 0640 | 4.3 | 1.3 |
| TH | 1115 | 4.6 | 1.4 | FR | 1115 | 4.1 | 1.2 |
| JE | 1830 | 1.6 | .5 | VE | 1745 | 1.6 | 5 |
| 7 | 0305 | 4.5 | 1.4 | 22 | 0210 | 4.3 | 1.3 |
| | 0940 | 4.1 | 1.2 | | 0925 | 3.7 | 1.1 |
| FR | 1230 | 4.3 | 1.3 | SA | 1240 | 4.0 | 1.2 |
| VE | 1905 | 1.9 | .6 | SA | 1820 | 1.9 | .6 |
| 8 | 0320 | 4.3 | 1.3 | 23 | 0215 | 4.2 | 1.3 |
| | 1005 | 3.8 | 1.2 | | 0700 | 3.2 | 1.0 |
| SA | 1340 | 4.2 | 1.3 | SU | 1350 | 4.0 | 1.2 |
| SA | 1945 | 2.3 | .7 | DI | 1855 | 2.3 | .7 |
| 9 | 0330 | 4.1 | 1.2 | 24 | 0230 | 4.2 | 1.3 |
| | 1025 | 3.4 | 1.0 | | 0800 | 2.6 | .8 |
| SU | 1450 | 4.0 | 1.2 | MO | 1500 | 4.0 | 1.2 |
| DI | 2020 | 2.7 | .8 | LU | 1930 | 2.6 | .9 |
| 10 | 0340 | 4.0 | 1.2 | 25 | 0250 | 4.3 | 1.3 |
| | 1035 | 3.0 | .9 | | 0900 | 2.1 | .6 |
| MO | 1555 | 3.9 | 1.2 | TU | 1605 | 3.9 | 1.2 |
| LU | 2100 | 3.1 | .9 | MA | 2000 | 3.2 | 1.0 |
| 11 | 0345 | 4.0 | 1.2 | 26 | 0310 | 4.5 | 1.4 |
| | 1040 | 2.6 | .8 | | 1005 | 1.7 | .5 |
| TU | 1705 | 3.9 | 1.2 | WE | 1720 | 3.9 | 1.2 |
| MA | 2130 | 3.4 | 1.0 | ME | 2015 | 3.6 | 1.1 |
| 12 | 0400 | 4.1 | 1.2 | 27 | 0335 | 4.7 | 1.4 |
| | 1105 | 2.3 | .7 | | 1110 | 1.4 | .4 |
| WE | 1850 | 3.9 | 1.2 | TH | 1830 | 3.9 | 1.2 |
| ME | 2140 | 3.8 | 1.2 | JE | 2030 | 4.0 | 1.2 |
| 13 | 0405 | 4.3 | 1.3 | 28 | 0400 | 4.8 | 1.5 |
| | 1145 | 2.0 | .6 | | 1215 | 1.3 | 4 |
| TH | 2015 | 3.9 | 1.2 | FR | | | |
| JE | 2145 | 4.0 | 1.2 | VE | | | |
| 14 | 0410 | 4.5 | 1.4 | 29 | 0420 | 5.0 | 1.5 |
| | 1235 | 1.8 | .5 | | 1320 | 1.2 | .4 |
| FR | | | | SA | | | |
| VE | | | | SA | | | |
| 15 | 0405 | 4.7 | 1.4 | 30 | 0435 | 5.1 | 1.6 |
| | 1330 | 1.6 | .5 | | 1415 | 1.2 | 4 |
| SA | | | | SU | | | |
| SA | | | | DI | | | |
| | | | | 31 | 0430 | 5.0 | 1.5 |
| | | | | | 1510 | 1.3 | 4 |
| | | | | MO | | | |
| | | | | LU | | | |

## AUGUST-AOUT

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0430 | 4.9 | 1.5 | 16 | 0420 | 4.9 | 1.5 |
| | 1555 | 1.4 | 4 | | 1505 | 1.6 | 5 |
| TU | | | | WE | | | |
| MA | | | | ME | | | |
| 2 | 0435 | 4.7 | 1.4 | 17 | 0500 | 4.6 | 1.4 |
| | 1640 | 1.8 | 5 | | 1550 | 1.7 | 5 |
| WE | | | | TH | | | |
| ME | | | | JE | | | |
| 3 | 0205 | 4.5 | 1.4 | 18 | 0115 | 4.1 | 1.2 |
| | 0835 | 4.2 | 1.3 | | 0330 | 4.0 | 1.2 |
| TH | 1010 | 4.3 | 1.3 | FR | 0950 | 3.9 | 1.2 |
| JE | 1720 | 1.9 | 6 | VE | 1625 | 1.9 | 6 |
| 4 | 0210 | 4.3 | 1.3 | 19 | 0045 | 3.9 | 1.2 |
| | 0855 | 3.9 | 1.2 | | 0435 | 3.4 | 1.0 |
| FR | 1135 | 4.1 | 1.2 | SA | 1135 | 3.9 | 1.2 |
| VE | 1755 | 2.2 | .7 | SA | 1705 | 2.3 | .7 |
| 5 | 0220 | 4.1 | 1.2 | 20 | 0040 | 3.9 | 1.2 |
| | 0915 | 3.5 | 1.1 | | 0530 | 2.8 | .9 |
| SA | 1255 | 4.0 | 1.2 | SU | 1300 | 3.9 | 1.2 |
| SA | 1835 | 2.6 | .8 | DI | 1740 | 2.7 | .8 |
| 6 | 0225 | 4.0 | 1.2 | 21 | 0055 | 4.0 | 1.2 |
| | 0930 | 3.2 | 1.0 | | 0620 | 2.3 | .7 |
| SU | 1405 | 4.0 | 1.2 | MO | 1410 | 4.0 | 1.2 |
| DI | 1910 | 2.9 | .9 | LU | 1815 | 3.1 | .9 |
| 7 | 0225 | 3.9 | 1.2 | 22 | 0115 | 4.2 | 1.3 |
| | 0925 | 2.9 | .9 | | 0715 | 1.8 | .5 |
| MO | 1510 | 4.0 | 1.2 | TU | 1520 | 4.1 | 1.2 |
| LU | 1935 | 3.2 | 1.0 | MA | 1845 | 3.5 | 1.1 |
| 8 | 0230 | 3.9 | 1.2 | 23 | 0145 | 4.4 | 1.3 |
| | 0835 | 2.5 | .8 | | 0820 | 1.5 | .5 |
| TU | 1605 | 4.0 | 1.2 | WE | 1625 | 4.1 | 1.2 |
| MA | 1950 | 3.6 | 1.1 | ME | 1905 | 3.8 | 1.2 |
| 9 | 0235 | 4.1 | 1.2 | 24 | 0215 | 4.7 | 1.4 |
| | 0915 | 2.1 | .6 | | 0935 | 1.3 | .4 |
| TH | 1710 | 4.0 | 1.2 | TH | 1745 | 4.0 | 1.2 |
| JE | 1955 | 3.8 | 1.2 | JE | 1905 | 4.0 | 1.2 |
| 10 | 0245 | 4.3 | 1.3 | 25 | 0250 | 4.9 | 1.5 |
| | 1000 | 1.9 | .6 | | 1055 | 1.2 | 4 |
| FR | 1815 | 3.9 | 1.2 | FR | | | |
| JE | 2315 | 4.3 | 1.3 | VE | | | |
| 11 | 0250 | 4.6 | 1.4 | 26 | 0320 | 5.1 | 1.6 |
| | 1055 | 1.7 | .5 | | 1205 | 1.3 | .4 |
| SA | | | | SA | | | |
| VE | | | | SA | | | |
| 12 | 0300 | 4.8 | 1.5 | 27 | 0345 | 5.1 | 1.6 |
| | 1155 | 1.6 | .5 | | 1300 | 1.4 | 4 |
| SA | | | | SU | | | |
| SA | | | | DI | | | |
| 13 | 0310 | 5.0 | 1.5 | 28 | 0345 | 5.0 | 1.5 |
| | 1250 | 1.5 | .5 | | 1355 | 1.6 | 5 |
| SU | | | | MO | | | |
| DI | | | | LU | | | |
| 14 | 0330 | 5.1 | 1.6 | 29 | 0325 | 4.8 | 1.5 |
| | 1340 | 1.5 | .5 | | 1440 | 1.8 | 5 |
| MO | | | | TU | | | |
| LU | | | | MA | | | |
| 15 | 0350 | 5.1 | 1.6 | 30 | 0300 | 4.5 | 1.4 |
| | 1425 | 1.5 | .5 | | 1530 | 2.1 | .6 |
| TU | | | | WE | | | |
| MA | | | | ME | | | |
| | | | | 31 | 0100 | 4.3 | 1.3 |
| | | | | | 0735 | 3.9 | 1.2 |
| | | | | TH | 0925 | 4.0 | 1.2 |
| | | | | JE | 1620 | 2.3 | .7 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0100 | 4.1 | 1.2 | 16 | 0315 | 3.1 | .9 |
| | 0750 | 3.6 | 1.1 | | 1050 | 3.9 | 1.2 |
| FR | 1100 | 3.9 | 1.2 | SA | 1555 | 2.8 | .9 |
| VE | 1735 | 2.6 | .8 | SA | 2250 | 3.7 | 1.1 |
| 2 | 0105 | 3.9 | 1.2 | 17 | 0410 | 2.5 | .8 |
| | 0810 | 3.2 | 1.0 | | 1215 | 4.0 | 1.2 |
| SA | 1225 | 3.9 | 1.2 | SU | 1635 | 3.2 | 1.0 |
| SA | 1940 | 2.9 | .9 | DI | 2305 | 3.9 | 1.2 |
| 3 | 0105 | 3.8 | 1.2 | 18 | 0505 | 1.9 | .6 |
| | 0820 | 3.0 | .9 | | 1330 | 4.2 | 1.3 |
| SU | 1335 | 4.0 | 1.2 | MO | 1715 | 3.5 | 1.1 |
| DI | 2035 | 3.1 | .9 | LU | 2330 | 4.1 | 1.2 |
| 4 | 0100 | 3.7 | 1.1 | 19 | 0600 | 1.5 | .5 |
| | 0815 | 2.7 | .8 | | 1440 | 4.3 | 1.3 |
| MO | 1435 | 4.2 | 1.3 | TU | 1745 | 3.9 | 1.2 |
| LU | 2125 | 3.4 | 1.0 | MA | | | |
| 5 | 0105 | 3.8 | 1.2 | 20 | 0005 | 4.4 | 1.3 |
| | 0655 | 2.3 | .7 | | 0655 | 1.2 | 4 |
| TU | 1525 | 4.2 | 1.3 | WE | 1540 | 4.4 | 1.3 |
| MA | 2205 | 3.7 | 1.1 | ME | 1810 | 4.1 | 1.2 |
| 6 | 0115 | 4.0 | 1.2 | 21 | 0050 | 4.6 | 1.4 |
| | 0735 | 2.0 | .6 | | 0800 | 1.1 | 3 |
| WE | 1615 | 4.2 | 1.3 | TH | 1635 | 4.3 | 1.3 |
| ME | 1900 | 4.0 | 1.2 | JE | 1830 | 4.2 | 1.3 |
| 7 | 0130 | 4.2 | 1.3 | 22 | 0140 | 4.8 | 1.5 |
| | 0825 | 1.8 | .5 | | 0920 | 1.2 | 4 |
| TH | 1720 | 4.1 | 1.2 | FR | 1800 | 4.2 | 1.3 |
| JE | 1840 | 4.1 | 1.2 | VE | 1820 | 4.2 | 1.3 |
| 8 | 0145 | 4.5 | 1.4 | 23 | 0230 | 5.0 | 1.5 |
| | 0920 | 1.7 | .5 | | 1040 | 1.3 | 4 |
| FR | | | | SA | | | |
| VE | | | | SA | | | |
| 9 | 0200 | 4.8 | 1.5 | 24 | 0315 | 5.0 | 1.5 |
| | 1020 | 1.6 | .5 | | 1145 | 1.6 | .5 |
| SA | | | | SU | | | |
| SA | | | | DI | | | |
| 10 | 0215 | 4.9 | 1.5 | 25 | 0355 | 4.8 | 1.5 |
| | 1120 | 1.6 | .5 | | 1235 | 1.9 | 6 |
| SU | | | | MO | | | |
| DI | | | | LU | | | |
| 11 | 0235 | 5.0 | 1.5 | 26 | 0410 | 4.5 | 1.4 |
| | 1210 | 1.7 | .5 | | 1325 | 2.2 | .7 |
| MO | | | | TU | 2335 | 4.2 | 1.3 |
| LU | | | | MA | | | |
| 12 | 0255 | 4.9 | 1.5 | 27 | 0545 | 4.1 | 1.2 |
| | 1300 | 1.6 | .5 | | 0615 | 4.1 | 1.2 |
| TU | | | | WE | 1420 | 2.6 | .8 |
| MA | | | | ME | 2300 | 4.0 | 1.2 |
| 13 | 0330 | 4.7 | 1.4 | 28 | 0555 | 3.7 | 1.1 |
| | 1345 | 1.9 | .6 | | 0900 | 3.9 | 1.2 |
| WE | | | | TH | 1545 | 2.3 | .9 |
| ME | | | | JE | 2305 | 3.9 | 1.2 |
| 14 | 0415 | 4.3 | 1.3 | 29 | 0615 | 3.3 | 1.0 |
| | 1425 | 2.1 | .6 | | 1045 | 4.0 | 1.2 |
| TH | 2340 | 3.8 | 1.2 | FR | 1810 | 3.0 | .9 |
| JE | | | | VE | 2315 | 3.8 | 1.2 |
| 15 | 0210 | 3.7 | 1.1 | 30 | 0635 | 3.0 | .9 |
| | 0855 | 3.8 | 1.2 | | 1155 | 4.2 | 1.3 |
| FR | 1510 | 2.4 | .7 | SA | 1915 | 3.1 | .9 |
| VE | 2245 | 3.7 | 1.1 | SA | 2320 | 3.7 | 1.1 |

V-2

# SHEDIAC BAY (HNA 2-1-4)

## TABLE DES MARÉES

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0640 | 2.7 | .8 | 16 | 0355 | 1.8 | .5 |
| | 1255 | 4.4 | 1.3 | | 1255 | 4.6 | 1.4 |
| SU | 2005 | 3.3 | 1.0 | MO | 1625 | 4.1 | 1.2 |
| DI | 2325 | 3.8 | 1.1 | LU | 1845 | 4.2 | 1.3 |
| 2 | 0530 | 2.4 | .7 | 17 | 0450 | 1.2 | .4 |
| | 1350 | 4.6 | 1.4 | | 1355 | 4.7 | 1.4 |
| MO | 2055 | 3.5 | 1.1 | TU | 1700 | 4.4 | 1.3 |
| LU | 2340 | 3.7 | 1.1 | MA | 2245 | 4.4 | 1.3 |
| 3 | 0550 | 2.1 | .6 | 18 | 0545 | 1.0 | .3 |
| | 1435 | 4.6 | 1.4 | | 1450 | 4.8 | 1.5 |
| TU | 2140 | 3.8 | 1.2 | WE | 1730 | 4.5 | 1.4 |
| MA | 2355 | 3.9 | 1.2 | ME | 2300 | 4.6 | 1.4 |
| 4 | 0625 | 1.8 | .5 | 19 | 0640 | 1.0 | .3 |
| | 1525 | 4.6 | 1.4 | | 1540 | 4.8 | 1.5 |
| WE | 2220 | 4.1 | 1.2 | TH | 1800 | 4.6 | 1.4 |
| ME | | | | JE | | | |
| 5 | 0020 | 4.1 | 1.2 | 20 | 0020 | 4.6 | 1.5 |
| | 0705 | 1.7 | .5 | | 0745 | 1.1 | .3 |
| TH | 1610 | 4.5 | 1.4 | FR | 1625 | 4.6 | 1.4 |
| JE | 2255 | 4.3 | 1.3 | VE | 1830 | 4.5 | 1.4 |
| 6 | 0045 | 4.4 | 1.3 | 21 | 0135 | 4.9 | 1.5 |
| | 0750 | 1.6 | .5 | | 0855 | 1.4 | .4 |
| FR | 1710 | 4.4 | 1.3 | SA | 1710 | 4.5 | 1.4 |
| VE | 2115 | 4.6 | 1.4 | SA | 1905 | 4.4 | 1.3 |
| 7 | 0115 | 4.6 | 1.4 | 22 | 0235 | 4.9 | 1.5 |
| | 0845 | 1.7 | .5 | | 1010 | 1.7 | .5 |
| SA | 1730 | 4.3 | 1.3 | SU | 1750 | 4.3 | 1.3 |
| SA | 2350 | 4.6 | 1.4 | DI | 1950 | 4.2 | 1.3 |
| 8 | 0145 | 4.6 | 1.4 | 23 | 0330 | 4.7 | 1.4 |
| | 0945 | 1.7 | .5 | | 1105 | 2.1 | .6 |
| SU | 2255 | 4.6 | 1.4 | MO | 1835 | 4.2 | 1.3 |
| DI | | | | LU | | | |
| 9 | 0010 | 4.6 | 1.4 | 24 | 0015 | 4.0 | 1.2 |
| | 0210 | 4.6 | 1.4 | | 0435 | 4.3 | 1.3 |
| MO | 1040 | 1.9 | .6 | TU | 1155 | 2.8 | .8 |
| LU | | | | MA | 1915 | 4.0 | 1.2 |
| 10 | 0240 | 4.5 | 1.4 | 25 | 0110 | 3.6 | 1.1 |
| | 1130 | 2.1 | .6 | | 0600 | 4.0 | 1.2 |
| TU | | | | WE | 1250 | 3.0 | .9 |
| MA | | | | ME | 1950 | 4.0 | 1.2 |
| 11 | 0315 | 4.2 | 1.3 | 26 | 0215 | 3.3 | 1.0 |
| | 1220 | 2.3 | .7 | | 0825 | 4.0 | 1.2 |
| WE | 2150 | 3.8 | 1.2 | TH | 1410 | 3.3 | 1.0 |
| ME | | | | JE | 2025 | 3.9 | 1.2 |
| 12 | 0030 | 3.7 | 1.1 | 27 | 0325 | 3.0 | .9 |
| | 0420 | 3.9 | 1.2 | | 1010 | 4.2 | 1.3 |
| TH | 1305 | 2.6 | .8 | FR | 1715 | 3.5 | 1.1 |
| JE | 2020 | 3.7 | 1.1 | VE | 2050 | 3.8 | 1.2 |
| 13 | 0120 | 3.2 | 1.0 | 28 | 0355 | 2.7 | .8 |
| | 0620 | 3.8 | 1.2 | | 1110 | 4.5 | 1.4 |
| FR | 1355 | 3.0 | .9 | SA | 1825 | 3.5 | 1.1 |
| VE | 2025 | 3.7 | 1.1 | SA | 2115 | 3.7 | 1.1 |
| 14 | 0210 | 2.7 | .8 | 29 | 0400 | 2.4 | .7 |
| | 1015 | 4.0 | 1.2 | | 1205 | 4.7 | 1.4 |
| SA | 1450 | 3.4 | 1.0 | SU | 1915 | 3.6 | 1.1 |
| SA | 2040 | 3.7 | 1.1 | DI | 2140 | 3.7 | 1.1 |
| 15 | 0300 | 2.1 | .6 | 30 | 0415 | 2.1 | .6 |
| | 1145 | 4.3 | 1.3 | | 1255 | 4.9 | 1.5 |
| SU | 1540 | 3.7 | 1.1 | MO | 2005 | 3.7 | 1.1 |
| DI | 2055 | 3.9 | 1.2 | LU | 2205 | 3.8 | 1.2 |
| | | | | 31 | 0445 | 1.8 | .5 |
| | | | | | 1345 | 5.0 | 1.5 |
| | | | | TU | 2100 | 3.9 | 1.2 |
| | | | | MA | 2225 | 4.0 | 1.2 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0525 | 1.6 | .5 | 16 | 0535 | .8 | .2 |
| | 1430 | 5.1 | 1.6 | | 1450 | 5.1 | 1.6 |
| WE | 2150 | 4.1 | 1.2 | TH | 1725 | 4.9 | 1.5 |
| ME | 2255 | 4.2 | 1.3 | JE | 2350 | 4.8 | 1.5 |
| 2 | 0600 | 1.5 | .5 | 17 | 0630 | 1.0 | .3 |
| | 1515 | 5.0 | 1.5 | | 1525 | 5.0 | 1.5 |
| TH | 2235 | 4.3 | 1.3 | FR | 2200 | 4.8 | 1.5 |
| JE | 2330 | 4.3 | 1.3 | VE | | | |
| 3 | 0645 | 1.5 | .5 | 18 | 0010 | 4.9 | 1.5 |
| | 1555 | 4.9 | 1.5 | | 0720 | 1.3 | 4 |
| FR | 2310 | 4.4 | 1.3 | SA | 1555 | 4.9 | 1.5 |
| VE | | | | SA | 2220 | 4.5 | 1.4 |
| 4 | 0025 | 4.4 | 1.3 | 19 | 0130 | 4.7 | 1.4 |
| | 0725 | 1.5 | .5 | | 0815 | 1.7 | 5 |
| SA | 1630 | 4.8 | 1.5 | SU | 1625 | 4.7 | 1.4 |
| SA | 2335 | 4.4 | 1.3 | DI | 2255 | 4.1 | 1.2 |
| 5 | 0120 | 4.4 | 1.3 | 20 | 0235 | 4.5 | 1.4 |
| | 0815 | 1.7 | .5 | | 0910 | 2.2 | .7 |
| SU | 1700 | 4.6 | 1.4 | MO | 1650 | 4.5 | 1.4 |
| DI | 2355 | 4.2 | 1.3 | LU | 2335 | 3.7 | 1.1 |
| 6 | 0210 | 4.3 | 1.3 | 21 | 0345 | 4.3 | 1.3 |
| | 0900 | 1.9 | .6 | | 1000 | 2.7 | .8 |
| MO | 1715 | 4.5 | 1.4 | TU | 1710 | 4.4 | 1.3 |
| LU | | | | MA | | | |
| 7 | 0015 | 4.0 | 1.2 | 22 | 0015 | 3.3 | 1.0 |
| | 0305 | 4.2 | 1.3 | | 0500 | 4.0 | 1.2 |
| TU | 0955 | 2.2 | .7 | WE | 1055 | 3.1 | .9 |
| MA | 1730 | 4.3 | 1.3 | ME | 1735 | 4.3 | 1.3 |
| 8 | 0030 | 3.7 | 1.1 | 23 | 0055 | 2.9 | .9 |
| | 0410 | 4.0 | 1.2 | | 0700 | 3.9 | 1.2 |
| WE | 1040 | 2.6 | .8 | TH | 1155 | 3.6 | 1.1 |
| ME | 1745 | 4.2 | 1.3 | JE | 1800 | 4.2 | 1.3 |
| 9 | 0030 | 3.3 | 1.0 | 24 | 0130 | 2.6 | .8 |
| | 0530 | 3.8 | 1.2 | | 0910 | 4.2 | 1.3 |
| TH | 1130 | 2.9 | .9 | FR | 1340 | 3.9 | 1.2 |
| JE | 1805 | 4.1 | 1.2 | VE | 1830 | 4.1 | 1.2 |
| 10 | 0045 | 2.8 | .9 | 25 | 0200 | 2.3 | .7 |
| | 0730 | 3.8 | 1.2 | | 1020 | 4.5 | 1.4 |
| FR | 1225 | 3.4 | 1.0 | SA | 1705 | 4.0 | 1.2 |
| VE | 1815 | 4.1 | 1.2 | SA | 1900 | 4.1 | 1.2 |
| 11 | 0115 | 2.3 | .7 | 26 | 0235 | 2.1 | .6 |
| | 0950 | 4.1 | 1.2 | | 1115 | 4.8 | 1.5 |
| SA | 1320 | 3.9 | 1.2 | SU | 1835 | 4.1 | 1.2 |
| SA | 1805 | 4.1 | 1.2 | DI | 1925 | 4.1 | 1.2 |
| 12 | 0200 | 1.8 | .5 | 27 | 0310 | 1.8 | .5 |
| | 1115 | 4.5 | 1.4 | | 1210 | 5.0 | 1.5 |
| SU | 1425 | 4.3 | 1.3 | MO | | | |
| DI | 1700 | 4.4 | 1.3 | LU | | | |
| 13 | 0250 | 1.3 | .4 | 28 | 0345 | 1.6 | .5 |
| | 1225 | 4.8 | 1.5 | | 1300 | 5.2 | 1.6 |
| MO | 1530 | 4.6 | 1.4 | TU | | | |
| LU | 2100 | 4.3 | 1.3 | MA | | | |
| 14 | 0345 | 1.0 | .3 | 29 | 0425 | 1.4 | .4 |
| | 1320 | 5.1 | 1.6 | | 1350 | 5.3 | 1.6 |
| TU | 1620 | 4.9 | 1.5 | WE | | | |
| MA | 2200 | 4.5 | 1.4 | ME | | | |
| 15 | 0440 | .8 | .2 | 30 | 0505 | 1.3 | .4 |
| | 1405 | 5.2 | 1.6 | | 1430 | 5.3 | 1.6 |
| WE | 1650 | 5.0 | 1.5 | TH | | | |
| ME | 2300 | 4.7 | 1.4 | JE | | | |

### DECEMBER-DECEMBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0545 | 1.3 | .4 | 16 | 0610 | 1.1 | .3 |
| | 1510 | 5.2 | 1.6 | | 1510 | 5.0 | 1.5 |
| FR | | | | SA | 2200 | 4.6 | 1.4 |
| VE | | | | SA | 2355 | 4.7 | 1.4 |
| 2 | 0620 | 1.4 | .4 | 17 | 0655 | 1.8 | .5 |
| | 1535 | 5.1 | 1.6 | | 1530 | 4.8 | 1.5 |
| SA | 2305 | 4.3 | 1.3 | SU | 2225 | 4.2 | 1.3 |
| SA | | | | DI | | | |
| 3 | 0005 | 4.3 | 1.3 | 18 | 0120 | 4.4 | 1.3 |
| | 0700 | 1.5 | .5 | | 0735 | 2.0 | .6 |
| SU | 1550 | 5.0 | 1.5 | MO | 1545 | 4.7 | 1.4 |
| DI | 2315 | 4.1 | 1.2 | LU | 2255 | 3.7 | 1.1 |
| 4 | 0120 | 4.2 | 1.3 | 19 | 0235 | 4.2 | 1.3 |
| | 0740 | 1.8 | .5 | | 0810 | 2.5 | .8 |
| MO | 1600 | 4.8 | 1.5 | TU | 1605 | 4.6 | 1.4 |
| LU | 2330 | 3.8 | 1.2 | MA | 2330 | 3.3 | 1.0 |
| 5 | 0225 | 4.0 | 1.2 | 20 | 0350 | 4.0 | 1.2 |
| | 0815 | 2.1 | .6 | | 0845 | 3.0 | .9 |
| TU | 1615 | 4.7 | 1.4 | WE | 1620 | 4.5 | 1.4 |
| MA | 2345 | 3.4 | 1.0 | ME | 2355 | 2.9 | .9 |
| 6 | 0330 | 3.9 | 1.2 | 21 | 0510 | 3.8 | 1.2 |
| | 0855 | 2.5 | .8 | | 0920 | 3.4 | 1.0 |
| WE | 1630 | 4.6 | 1.4 | TH | 1635 | 4.5 | 1.4 |
| ME | 2355 | 3.0 | .9 | JE | | | |
| 7 | 0440 | 3.8 | 1.2 | 22 | 0025 | 2.5 | .8 |
| | 0935 | 2.9 | .9 | | 0725 | 3.9 | 1.2 |
| TH | 1645 | 4.6 | 1.4 | FR | 1000 | 3.8 | 1.2 |
| JE | | | | VE | 1655 | 4.5 | 1.4 |
| 8 | 0005 | 2.5 | .8 | 23 | 0050 | 2.2 | .7 |
| | 0605 | 3.8 | 1.2 | | 0830 | 4.0 | 1.2 |
| FR | 1010 | 3.4 | 1.0 | SA | 1215 | 4.2 | 1.3 |
| VE | 1700 | 4.6 | 1.4 | SA | 1710 | 4.5 | 1.4 |
| 9 | 0025 | 2.0 | .6 | 24 | 0125 | 1.9 | .6 |
| | 0905 | 4.0 | 1.2 | | 1015 | 4.4 | 1.3 |
| SA | 1035 | 4.0 | 1.2 | SU | 1130 | 4.5 | 1.4 |
| SA | 1710 | 4.6 | 1.4 | DI | 1640 | 4.6 | 1.4 |
| 10 | 0105 | 1.8 | .5 | 25 | 0200 | 1.7 | .5 |
| | 1700 | 4.8 | 1.5 | | 1420 | 4.8 | 1.5 |
| SU | | | | MO | | | |
| DI | | | | LU | | | |
| 11 | 0155 | 1.2 | .4 | 26 | 0245 | 1.5 | .5 |
| | 1640 | 5.0 | 1.5 | | 1435 | 5.0 | 1.5 |
| MO | | | | TU | | | |
| LU | | | | MA | | | |
| 12 | 0250 | .9 | .3 | 27 | 0325 | 1.3 | .4 |
| | 1645 | 5.2 | 1.6 | | 1515 | 5.2 | 1.6 |
| TU | | | | WE | | | |
| MA | | | | ME | | | |
| 13 | 0345 | .7 | .2 | 28 | 0405 | 1.2 | .4 |
| | 1420 | 5.3 | 1.6 | | 1610 | 5.2 | 1.6 |
| WE | 1440 | 5.3 | 1.6 | TH | | | |
| ME | 1725 | 5.3 | 1.6 | JE | | | |
| 14 | 0435 | .7 | .2 | 29 | 0445 | 1.2 | .4 |
| | 1425 | 5.3 | 1.6 | | 1455 | 5.2 | 1.6 |
| TH | 1600 | 5.2 | 1.6 | FR | | | |
| JE | 1805 | 5.3 | 1.6 | VE | | | |
| 15 | 0525 | .8 | .2 | 30 | 0520 | 1.2 | .4 |
| | 1450 | 5.2 | 1.6 | | 1500 | 5.1 | 1.6 |
| FR | 1655 | 5.0 | 1.5 | SA | | | |
| VE | 2345 | 4.8 | 1.5 | SA | | | |
| | | | | 31 | 0555 | 1.4 | .4 |
| | | | | | 1505 | 4.9 | 1.5 |
| | | | | SU | 2240 | 4.1 | 1.2 |
| | | | | DI | | | |

V-H

# RUSTICO (AST −4)

1989

## JANUARY-JANVIER

| Day | Time | Ht./ft. | Ht./m | Jour | Heure | H./pi. | H./m |
|---|---|---|---|---|---|---|---|
| 1 | 0510 | 1.4 | .4 | 16 | 0115 | 1.6 | .5 |
| | 1255 | 2.5 | .8 | | 0535 | 1.1 | .3 |
| SU | 1940 | 1.5 | .5 | MO | 1315 | 2.8 | .9 |
| DI | 2325 | 1.8 | .5 | LU | 2100 | .9 | .3 |
| 2 | 0500 | 1.4 | .4 | 17 | 0255 | 1.3 | .4 |
| | 1320 | 2.8 | .9 | | 0555 | 1.1 | .3 |
| MO | 1930 | 1.4 | .4 | TU | 1405 | 3.0 | .9 |
| LU | 2340 | 1.3 | .4 | MA | 2320 | .7 | .2 |
| 3 | 0410 | 1.3 | .4 | 18 | 0510 | 1.1 | .3 |
| | 1355 | 3.1 | .9 | | 0605 | 1.1 | .3 |
| TU | | | | WE | 1455 | 3.2 | 1.0 |
| MA | | | | ME | | | |
| 4 | 0055 | 1.0 | .3 | 19 | 0040 | .6 | .2 |
| | 1440 | 3.3 | 1.0 | | 1550 | 3.3 | 1.0 |
| WE | | | | TH | | | |
| ME | | | | JE | | | |
| 5 | 0115 | .8 | .2 | 20 | 0135 | .5 | .2 |
| | 1525 | 3.6 | 1.1 | | 1645 | 3.4 | 1.0 |
| TH | | | | FR | | | |
| JE | | | | VE | | | |
| 6 | 0140 | .5 | .2 | 21 | 0220 | .6 | .2 |
| | 1620 | 3.8 | 1.2 | | 0810 | 1.2 | .4 |
| FR | | | | SA | 0925 | 1.2 | .4 |
| VE | | | | SA | 1740 | 3.4 | 1.0 |
| 7 | 0205 | .3 | .1 | 22 | 0250 | .7 | .2 |
| | 1715 | 3.9 | 1.2 | | 0830 | 1.3 | .4 |
| SA | | | | SU | 1045 | 1.2 | .4 |
| SA | | | | DI | 1830 | 3.4 | 1.0 |
| 8 | 0225 | .2 | .1 | 23 | 0300 | .8 | .2 |
| | 1815 | 4.0 | 1.2 | | 0855 | 1.4 | .4 |
| SU | | | | MO | 1200 | 1.3 | .4 |
| DI | | | | LU | 1915 | 3.3 | 1.0 |
| 9 | 0250 | .2 | .1 | 24 | 0310 | .9 | .3 |
| | 1905 | 4.0 | 1.2 | | 0925 | 1.5 | .5 |
| MO | | | | TU | 1305 | 1.3 | .4 |
| LU | | | | MA | 2000 | 3.2 | 1.0 |
| 10 | 0315 | .2 | .1 | 25 | 0320 | 1.0 | .3 |
| | 1015 | 1.3 | .4 | | 0945 | 1.7 | .5 |
| TU | 1210 | 1.2 | .4 | WE | 1400 | 1.3 | .4 |
| MA | 2000 | 3.8 | 1.2 | ME | 2035 | 2.9 | .9 |
| 11 | 0340 | .4 | .1 | 26 | 0330 | 1.1 | .3 |
| | 1020 | 1.4 | .4 | | 1000 | 1.8 | .5 |
| WE | 1345 | 1.2 | .4 | TH | 1500 | 1.3 | .4 |
| ME | 2050 | 3.4 | 1.0 | JE | 2110 | 2.6 | .8 |
| 12 | 0405 | .5 | .2 | 27 | 0345 | 1.2 | .4 |
| | 1040 | 1.8 | .5 | | 1000 | 2.0 | .6 |
| TH | 1505 | 1.2 | .4 | FR | 1555 | 1.4 | .4 |
| JE | 2140 | 3.0 | .9 | VE | 2145 | 2.3 | .7 |
| 13 | 0430 | .7 | .2 | 28 | 0355 | 1.2 | .4 |
| | 1105 | 1.9 | .6 | | 1005 | 2.2 | .7 |
| FR | 1625 | 1.1 | .3 | SA | 1650 | 1.4 | .4 |
| VE | 2235 | 2.5 | .8 | SA | 2210 | 1.9 | .6 |
| 14 | 0455 | .9 | .3 | 29 | 0405 | 1.3 | .4 |
| | 1145 | 2.2 | .7 | | 1030 | 2.4 | .7 |
| SA | 1750 | 1.1 | .3 | SU | 1745 | 1.4 | .4 |
| SA | 2345 | 1.9 | .6 | DI | 2215 | 1.6 | .5 |
| 15 | 0515 | 1.0 | .3 | 30 | 0400 | 1.3 | .4 |
| | 1230 | 2.5 | .8 | | 1105 | 2.6 | .8 |
| SU | 1915 | 1.0 | .3 | MO | 1855 | 1.3 | .4 |
| DI | | | | LU | 2125 | 1.4 | .4 |
| | | | | 31 | 0335 | 1.2 | .4 |
| | | | | | 1200 | 2.9 | .9 |
| | | | | TU | 1815 | 1.4 | .4 |
| | | | | MA | 1915 | 1.3 | .4 |

## FEBRUARY-FEVRIER

| Day | Time | Ht./ft. | Ht./m | Jour | Heure | H./pi. | H./m |
|---|---|---|---|---|---|---|---|
| 1 | 0225 | 1.0 | .3 | 16 | 1435 | 3.2 | 1.0 |
| | 1300 | 3.1 | .9 | | | | |
| WE | | | | TH | | | |
| ME | | | | JE | | | |
| 2 | 0130 | .8 | .2 | 17 | 0045 | .7 | .2 |
| | 1400 | 3.3 | 1.0 | | 1535 | 3.2 | 1.0 |
| TH | | | | FR | | | |
| JE | | | | VE | | | |
| 3 | 0130 | .7 | .2 | 18 | 0130 | .7 | .2 |
| | 1500 | 3.5 | 1.1 | | 1640 | 3.2 | 1.0 |
| FR | | | | SA | | | |
| VE | | | | SA | | | |
| 4 | 0130 | .5 | .2 | 19 | 0155 | .9 | .3 |
| | 1600 | 3.7 | 1.1 | | 0715 | 1.3 | .4 |
| SA | | | | SU | 0945 | 1.3 | .4 |
| SA | | | | DI | 1735 | 3.2 | 1.0 |
| 5 | 0125 | .4 | .1 | 20 | 0150 | 1.0 | .3 |
| | 1705 | 3.8 | 1.2 | | 0730 | 1.5 | .5 |
| SU | | | | MO | 1115 | 1.2 | .4 |
| DI | | | | LU | 1830 | 3.1 | .9 |
| 6 | 0135 | .3 | .1 | 21 | 0150 | 1.1 | .3 |
| | 0820 | 1.2 | .4 | | 0745 | 1.7 | .5 |
| MO | 0945 | 1.2 | .4 | TU | 1225 | 1.2 | .4 |
| LU | 1805 | 3.7 | 1.1 | MA | 1915 | 3.0 | .9 |
| 7 | 0155 | .3 | .1 | 22 | 0200 | 1.1 | .3 |
| | 0815 | 1.4 | .4 | | 0755 | 1.9 | .6 |
| TU | 1155 | 1.2 | .4 | WE | 1325 | 1.1 | .3 |
| MA | 1905 | 3.6 | 1.1 | ME | 1955 | 2.7 | .8 |
| 8 | 0220 | .3 | .1 | 23 | 0210 | 1.1 | .3 |
| | 0830 | 1.6 | .5 | | 0800 | 2.2 | .7 |
| WE | 1320 | 1.0 | .3 | TH | 1415 | 1.0 | .3 |
| ME | 1955 | 3.3 | 1.0 | JE | 2035 | 2.5 | .8 |
| 9 | 0245 | .4 | .1 | 24 | 0225 | 1.2 | .4 |
| | 0855 | 1.9 | .6 | | 0810 | 2.4 | .7 |
| TH | 1425 | .9 | .3 | FR | 1500 | 1.0 | .3 |
| JE | 2050 | 2.8 | .9 | VE | 2110 | 2.2 | .7 |
| 10 | 0310 | .6 | .2 | 25 | 0245 | 1.2 | .4 |
| | 0925 | 2.2 | .7 | | 0830 | 2.5 | .8 |
| FR | 1535 | .8 | .2 | SA | 1545 | 1.0 | .3 |
| VE | 2145 | 2.4 | .7 | SA | 2145 | 1.9 | .6 |
| 11 | 0335 | .7 | .2 | 26 | 0255 | 1.3 | .4 |
| | 0955 | 2.4 | .7 | | 0850 | 2.7 | .8 |
| SA | 1640 | .7 | .2 | SU | 1630 | 1.0 | .3 |
| SA | 2250 | 1.9 | .6 | DI | 2215 | 1.8 | .5 |
| 12 | 0400 | .9 | .3 | 27 | 0300 | 1.3 | .4 |
| | 1040 | 2.7 | .8 | | 0920 | 2.8 | .9 |
| SU | 1755 | .7 | .2 | MO | 1715 | 1.1 | .3 |
| DI | | | | LU | 2145 | 1.3 | .4 |
| 13 | 0010 | 1.5 | .5 | 28 | 0245 | 1.3 | .4 |
| | 0420 | 1.0 | .3 | | 1000 | 3.0 | .9 |
| MO | 1130 | 2.8 | .9 | TU | 1815 | 1.2 | .4 |
| LU | 1930 | .7 | .2 | MA | 2020 | 1.2 | .4 |
| 14 | 0140 | 1.3 | .4 | | | | |
| | 0440 | 1.1 | .3 | | | | |
| TU | 1235 | 3.0 | .9 | | | | |
| MA | 2150 | .7 | .2 | | | | |
| 15 | 0305 | 1.1 | .3 | | | | |
| | 0455 | 1.1 | .3 | | | | |
| WE | 1335 | 3.1 | .9 | | | | |
| ME | 2340 | .8 | .2 | | | | |

## MARCH-MARS

| Day | Time | Ht./ft. | Ht./m | Jour | Heure | H./pi. | H./m |
|---|---|---|---|---|---|---|---|
| 1 | 0000 | 1.1 | .3 | 16 | 0300 | 1.3 | .4 |
| | 1055 | 3.1 | .9 | | 0410 | 1.2 | .4 |
| WE | | | | TH | 1255 | 3.2 | 1.0 |
| ME | | | | JE | 2310 | .8 | .2 |
| 2 | 0025 | .9 | .3 | 17 | 0400 | 1.3 | .4 |
| | 1210 | 3.2 | 1.0 | | 0745 | 1.8 | .5 |
| TH | | | | FR | 1400 | 3.1 | .9 |
| JE | | | | VE | | | |
| 3 | 0040 | .8 | .2 | 18 | 0000 | .9 | .3 |
| | 1325 | 3.4 | 1.0 | | 0445 | 1.4 | .4 |
| FR | | | | SA | 0915 | 1.8 | .5 |
| VE | | | | SA | 1505 | 3.0 | .9 |
| 4 | 0035 | .8 | .2 | 19 | 0015 | 1.1 | .3 |
| | 1435 | 3.5 | 1.1 | | 0535 | 1.5 | .5 |
| SA | | | | SU | 0845 | 1.4 | .4 |
| SA | | | | DI | 1615 | 2.9 | .9 |
| 5 | 0000 | .7 | .2 | 20 | 0015 | 1.2 | .4 |
| | 1540 | 3.4 | 1.0 | | 0550 | 1.7 | .5 |
| SU | | | | MO | 1025 | 1.3 | .4 |
| DI | | | | LU | 1720 | 2.8 | .9 |
| 6 | 0000 | .6 | .2 | 21 | 0020 | 1.3 | .4 |
| | 0600 | 1.4 | .4 | | 0600 | 2.0 | .6 |
| MO | 0915 | 1.2 | .4 | TU | 1135 | 1.2 | .4 |
| LU | 1650 | 3.4 | 1.0 | MA | 1820 | 2.6 | .8 |
| 7 | 0020 | .5 | .2 | 22 | 0025 | 1.3 | .4 |
| | 0625 | 1.7 | .5 | | 0610 | 2.3 | .7 |
| TU | 1110 | 1.1 | .3 | WE | 1235 | 1.0 | .3 |
| MA | 1755 | 3.2 | 1.0 | ME | 1905 | 2.4 | .7 |
| 8 | 0050 | .5 | .2 | 23 | 0045 | 1.3 | .4 |
| | 0655 | 2.0 | .6 | | 0630 | 2.6 | .8 |
| WE | 1230 | .9 | .3 | TH | 1325 | .8 | .2 |
| ME | 1900 | 2.9 | .9 | JE | 1950 | 2.2 | .7 |
| 9 | 0120 | .5 | .2 | 24 | 0105 | 1.2 | .4 |
| | 0725 | 2.4 | .7 | | 0650 | 2.8 | .9 |
| TH | 1340 | .8 | .2 | FR | 1410 | .7 | .2 |
| JE | 1955 | 2.5 | .8 | VE | 2040 | 2.0 | .6 |
| 10 | 0145 | .6 | .2 | 25 | 0125 | 1.3 | .4 |
| | 0755 | 2.7 | .8 | | 0715 | 3.0 | .9 |
| FR | 1440 | .4 | .1 | SA | 1455 | .7 | .2 |
| VE | 2055 | 2.2 | .7 | SA | 2130 | 1.8 | .5 |
| 11 | 0215 | .7 | .2 | 26 | 0145 | 1.3 | .4 |
| | 0825 | 2.9 | .9 | | 0740 | 3.1 | .9 |
| SA | 1540 | .3 | .1 | SU | 1535 | .7 | .2 |
| SA | 2200 | 1.8 | .5 | DI | 2240 | 1.8 | .5 |
| 12 | 0240 | .9 | .3 | 27 | 0155 | 1.4 | .4 |
| | 0900 | 3.1 | .9 | | 0810 | 3.2 | 1.0 |
| SU | 1645 | .3 | .1 | MO | 1610 | .8 | .2 |
| DI | 2315 | 1.5 | .5 | LU | | | |
| 13 | 0305 | 1.0 | .3 | 28 | 0050 | 1.4 | .4 |
| | 0945 | 3.2 | 1.0 | | 0135 | 1.4 | .4 |
| MO | 1755 | .4 | .1 | TU | 0840 | 3.3 | 1.0 |
| LU | | | | MA | 1655 | .9 | .3 |
| 14 | 0030 | 1.3 | .4 | 29 | 0925 | 3.3 | 1.0 |
| | 0330 | 1.1 | .3 | | 1810 | 1.0 | .3 |
| TU | 1035 | 3.2 | 1.0 | WE | 1935 | 1.0 | .3 |
| MA | 1935 | .8 | .2 | ME | 2230 | .9 | .3 |
| 15 | 0145 | 1.2 | .4 | 30 | 1020 | 3.3 | 1.0 |
| | 0350 | 1.1 | .3 | | 2310 | .9 | .3 |
| WE | 1140 | 3.2 | 1.0 | TH | | | |
| ME | 2145 | .7 | .2 | JE | | | |
| | | | | 31 | 1135 | 3.3 | 1.0 |
| | | | | | 2315 | .9 | .3 |
| | | | | FR | | | |
| | | | | VE | | | |

V-2

## TABLE DES MARÉES

# RUSTICO (HNA 2-1-4)

1989

### APRIL-AVRIL

| Day | Time | Ht /ft | Ht /m | Jour | Heure | Ht /pi | Ht /m |
|---|---|---|---|---|---|---|---|
| 1 | 1255 | 3.3 | 1.0 | 16 | 0350 | 1.7 | .5 |
| | 2150 | 1.0 | .3 | | 0740 | 1.8 | .5 |
| SA | | | | SU | 1430 | 2.8 | .8 |
| SA | | | | DI | 2230 | 1.3 | .4 |
| 2 | 0330 | 1.3 | .4 | 17 | 0405 | 2.0 | .6 |
| | 0530 | 1.3 | .4 | | 0920 | 1.4 | .4 |
| SU | 1405 | 3.1 | .9 | MO | 1545 | 2.4 | .7 |
| DI | 2210 | .9 | .3 | LU | 2235 | 1.4 | .4 |
| 3 | 0400 | 1.6 | .5 | 18 | 0420 | 2.3 | .7 |
| | 0820 | 1.3 | .4 | | 1035 | 1.2 | .4 |
| MO | 1520 | 2.9 | .9 | TU | 1705 | 2.2 | .7 |
| LU | 2235 | .6 | .2 | MA | 2245 | 1.4 | .4 |
| 4 | 0435 | 2.0 | .6 | 19 | 0440 | 2.6 | .8 |
| | 1010 | 1.1 | .3 | | 1140 | 1.0 | .3 |
| TU | 1635 | 2.7 | .8 | WE | 1815 | 2.0 | .6 |
| MA | 2310 | .8 | .2 | ME | 2305 | 1.4 | .4 |
| 5 | 0515 | 2.4 | .7 | 20 | 0505 | 2.9 | .9 |
| | 1130 | .8 | .2 | | 1235 | .7 | .2 |
| WE | 1750 | 2.4 | .7 | TH | 1915 | 1.9 | .6 |
| ME | 2345 | .8 | .2 | JE | 2330 | 1.4 | .4 |
| 6 | 0555 | 2.8 | .9 | 21 | 0530 | 3.1 | .9 |
| | 1240 | .5 | .2 | | 1320 | .5 | .2 |
| TH | 1900 | 2.1 | .6 | FR | 2010 | 1.8 | .5 |
| JE | | | | VE | 2355 | 1.4 | .4 |
| 7 | 0015 | .8 | .2 | 22 | 0605 | 3.3 | 1.0 |
| | 0630 | 3.1 | .9 | | 1405 | .4 | .1 |
| FR | 1345 | .2 | .1 | SA | 2115 | 1.6 | .5 |
| VE | 2010 | 1.9 | .6 | SA | | | |
| 8 | 0050 | .9 | .3 | 23 | 0025 | 1.4 | .4 |
| | 0705 | 3.4 | 1.0 | | 0635 | 3.4 | 1.0 |
| SA | 1445 | .0 | .0 | SU | 1445 | .4 | .1 |
| SA | 2115 | 1.7 | .5 | DI | 2235 | 1.5 | .5 |
| 9 | 0120 | 1.0 | .3 | 24 | 0040 | 1.5 | .5 |
| | 0740 | 3.5 | 1.1 | | 0705 | 3.5 | 1.1 |
| SU | 1540 | .0 | .0 | MO | 1530 | .4 | .1 |
| DI | 2220 | 1.5 | .5 | LU | | | |
| 10 | 0150 | 1.0 | .3 | 25 | 0740 | 3.5 | 1.1 |
| | 0820 | 3.6 | 1.1 | | 1610 | .6 | .2 |
| MO | 1635 | .1 | .0 | TU | | | |
| LU | 2330 | 1.4 | .4 | MA | | | |
| 11 | 0220 | 1.1 | .3 | 26 | 0820 | 3.5 | 1.1 |
| | 0900 | 3.5 | 1.1 | | 1705 | .7 | .2 |
| TU | 1745 | .3 | .1 | WE | | | |
| MA | | | | ME | | | |
| 12 | 0040 | 1.3 | .4 | 27 | 0910 | 3.5 | 1.1 |
| | 0245 | 1.2 | .4 | | 1815 | .8 | .2 |
| WE | 0950 | 3.4 | 1.0 | TH | 2215 | 1.0 | .3 |
| ME | 1920 | .6 | .2 | JE | | | |
| 13 | 0140 | 1.3 | .4 | 28 | 0415 | 1.5 | .5 |
| | 0315 | 1.3 | .4 | | 1005 | 3.3 | 1.0 |
| TH | 1050 | 3.2 | 1.0 | FR | 1910 | .9 | .3 |
| JE | 2100 | .8 | .2 | VE | | | |
| 14 | 0240 | 1.4 | .4 | 29 | 0230 | 1.3 | .4 |
| | 0350 | 1.4 | .4 | | 0400 | 1.3 | .4 |
| FR | 1205 | 3.0 | .9 | SA | 1115 | 3.1 | .9 |
| VE | 2205 | 1.0 | .3 | SA | 1945 | 1.0 | .3 |
| 15 | 0325 | 1.5 | .5 | 30 | 0210 | 1.5 | .5 |
| | 0455 | 1.5 | .5 | | 0445 | 1.4 | .4 |
| SA | 1320 | 2.8 | .9 | SU | 1230 | 2.9 | .9 |
| SA | 2225 | 1.2 | .4 | DI | 2015 | 1.0 | .3 |

### MAY-MAI

| Day | Time | Ht /ft | Ht /m | Jour | Heure | Ht /pi | Ht /m |
|---|---|---|---|---|---|---|---|
| 1 | 0230 | 1.8 | .5 | 16 | 0300 | 2.4 | .7 |
| | 0715 | 1.3 | .4 | | 0930 | 1.2 | .4 |
| MO | 1345 | 2.5 | .8 | TU | 1510 | 1.6 | .5 |
| LU | 2045 | 1.0 | .3 | MA | 2040 | 1.4 | .4 |
| 2 | 0305 | 2.2 | .7 | 17 | 0315 | 2.7 | .8 |
| | 0900 | 1.0 | .3 | | 1035 | 1.0 | .3 |
| TU | 1505 | 2.2 | .7 | WE | 1715 | 1.6 | .5 |
| MA | 2120 | 1.0 | .3 | ME | 2100 | 1.4 | .4 |
| 3 | 0345 | 2.6 | .8 | 18 | 0340 | 3.0 | .9 |
| | 1025 | .7 | .2 | | 1140 | .7 | .2 |
| WE | 1640 | 1.9 | .6 | TH | 1855 | 1.5 | .5 |
| ME | 2200 | 1.0 | .3 | JE | 2130 | 1.4 | .4 |
| 4 | 0425 | 3.0 | .9 | 19 | 0410 | 3.2 | 1.0 |
| | 1140 | .4 | .1 | | 1235 | .5 | .2 |
| TH | 1810 | 1.6 | .5 | FR | 2005 | 1.5 | .5 |
| JE | 2240 | 1.0 | .3 | VE | 2200 | 1.4 | .4 |
| 5 | 0505 | 3.3 | 1.0 | 20 | 0450 | 3.4 | 1.0 |
| | 1250 | .1 | .0 | | 1320 | .3 | .1 |
| FR | 1925 | 1.5 | .5 | SA | 2115 | 1.5 | .5 |
| VE | 2320 | 1.0 | .3 | SA | 2225 | 1.4 | .4 |
| 6 | 0550 | 3.6 | 1.1 | 21 | 0525 | 3.5 | 1.1 |
| | 1345 | −.1 | .0 | | 1405 | .2 | .1 |
| SA | 2030 | 1.4 | .4 | SU | | | |
| SA | 2355 | 1.1 | .3 | DI | | | |
| 7 | 0630 | 3.7 | 1.1 | 22 | 0605 | 3.6 | 1.1 |
| | 1440 | −.2 | −.1 | | 1450 | .2 | .1 |
| SU | 2130 | 1.4 | .4 | MO | | | |
| DI | | | | LU | | | |
| 8 | 0035 | 1.1 | .3 | 23 | 0645 | 3.6 | 1.1 |
| | 0710 | 3.7 | 1.1 | | 1535 | .2 | .1 |
| MO | 1530 | −.1 | .0 | TU | | | |
| LU | 2235 | 1.4 | .4 | MA | | | |
| 9 | 0110 | 1.2 | .4 | 24 | 0730 | 3.6 | 1.1 |
| | 0750 | 3.7 | 1.1 | | 1620 | .4 | .1 |
| TU | 1625 | .1 | .0 | WE | | | |
| MA | 2330 | 1.4 | .4 | ME | | | |
| 10 | 0145 | 1.3 | .4 | 25 | 0815 | 3.5 | 1.1 |
| | 0835 | 3.5 | 1.1 | | 1700 | .5 | .2 |
| WE | 1730 | .4 | .1 | TH | | | |
| ME | | | | JE | | | |
| 11 | 0030 | 1.4 | .4 | 26 | 0905 | 3.3 | 1.0 |
| | 0220 | 1.3 | .4 | | 1735 | .7 | .2 |
| TH | 0920 | 3.3 | 1.0 | FR | | | |
| JE | 1840 | .7 | .2 | VE | | | |
| 12 | 0120 | 1.5 | .5 | 27 | 1000 | 3.0 | .9 |
| | 0300 | 1.5 | .5 | | 1800 | .8 | .2 |
| FR | 1015 | 3.0 | .9 | SA | | | |
| VE | 1945 | .9 | .3 | SA | | | |
| 13 | 0200 | 1.6 | .5 | 28 | 0105 | 1.4 | .4 |
| | 0410 | 1.6 | .5 | | 0400 | 1.3 | .4 |
| SA | 1120 | 2.7 | .8 | SU | 1105 | 2.7 | .8 |
| SA | 2020 | 1.2 | .4 | DI | 1830 | .9 | .3 |
| 14 | 0230 | 1.8 | .5 | 29 | 0115 | 1.8 | .5 |
| | 0620 | 1.6 | .5 | | 0610 | 1.2 | .4 |
| SU | 1235 | 2.4 | .7 | MO | 1220 | 2.3 | .7 |
| DI | 2030 | 1.3 | .4 | LU | 1900 | 1.0 | .3 |
| 15 | 0245 | 2.1 | .6 | 30 | 0145 | 2.1 | .6 |
| | 0810 | 1.5 | .5 | | 0750 | 1.8 | .3 |
| MO | 1350 | 2.1 | .6 | TU | 1340 | 1.8 | .5 |
| LU | 2035 | 1.4 | .4 | MA | 1930 | 1.0 | .3 |
| | | | | 31 | 0220 | 2.6 | .8 |
| | | | | | 0915 | .7 | .2 |
| | | | | WE | 1520 | 1.5 | .5 |
| | | | | ME | 2005 | 1.0 | .3 |

### JUNE-JUIN

| Day | Time | Ht /ft | Ht /m | Jour | Heure | Ht /pi | Ht /m |
|---|---|---|---|---|---|---|---|
| 1 | 0305 | 2.9 | .9 | 16 | 0250 | 3.1 | .9 |
| | 1035 | .4 | .1 | | 1200 | .6 | .2 |
| TH | 1715 | 1.2 | .4 | FR | | | |
| JE | 2045 | 1.0 | .3 | VE | | | |
| 2 | 0350 | 3.2 | 1.0 | 17 | 0330 | 3.3 | 1.0 |
| | 1155 | .1 | .0 | | 1255 | .4 | .1 |
| FR | 1850 | 1.2 | .4 | SA | | | |
| VE | 2135 | 1.1 | .3 | SA | | | |
| 3 | 0435 | 3.4 | 1.0 | 18 | 0415 | 3.4 | 1.0 |
| | 1300 | −.1 | .0 | | 1340 | .2 | .1 |
| SA | 1955 | 1.2 | .4 | SU | | | |
| SA | 2220 | 1.1 | .3 | DI | | | |
| 4 | 0520 | 3.5 | 1.1 | 19 | 0500 | 3.5 | 1.1 |
| | 1350 | −.1 | .0 | | 1420 | .1 | .0 |
| SU | 2045 | 1.2 | .4 | MO | | | |
| DI | 2310 | 1.1 | .3 | LU | | | |
| 5 | 0605 | 3.6 | 1.1 | 20 | 0550 | 3.6 | 1.1 |
| | 1440 | −.1 | .0 | | 1500 | .1 | .0 |
| MO | 2135 | 1.3 | .4 | TU | | | |
| LU | 2355 | 1.2 | .4 | MA | | | |
| 6 | 0650 | 3.6 | 1.1 | 21 | 0640 | 3.6 | 1.1 |
| | 1525 | .1 | .0 | | 1530 | .1 | .0 |
| TU | 2225 | 1.3 | .4 | WE | | | |
| MA | | | | ME | | | |
| 7 | 0040 | 1.2 | .4 | 22 | 0735 | 3.5 | 1.1 |
| | 0735 | 3.4 | 1.0 | | 1600 | .2 | .1 |
| WE | 1610 | .3 | .1 | TH | | | |
| ME | 2315 | 1.4 | .4 | JE | | | |
| 8 | 0130 | 1.3 | .4 | 23 | 0825 | 3.3 | 1.0 |
| | 0825 | 3.2 | 1.0 | | 1620 | .4 | .1 |
| TH | 1655 | .5 | .2 | FR | 2355 | 1.2 | .4 |
| JE | | | | VE | | | |
| 9 | 0000 | 1.5 | .5 | 24 | 0145 | 1.2 | .4 |
| | 0220 | 1.4 | .4 | | 0915 | 3.0 | .9 |
| FR | 0910 | 3.0 | .9 | SA | 1645 | .6 | .2 |
| VE | 1735 | .8 | .2 | SA | 2340 | 1.4 | .4 |
| 10 | 0040 | 1.6 | .5 | 25 | 0335 | 1.2 | .4 |
| | 0330 | 1.5 | .5 | | 1010 | 2.6 | .8 |
| SA | 1000 | 2.6 | .8 | SU | 1705 | .7 | .2 |
| SA | 1800 | 1.0 | .3 | DI | 2355 | 1.7 | .5 |
| 11 | 0110 | 1.8 | .5 | 26 | 0510 | 1.0 | .3 |
| | 0505 | 1.5 | .5 | | 1110 | 2.1 | .6 |
| SU | 1055 | 2.3 | .7 | MO | 1725 | .8 | .2 |
| DI | 1810 | 1.2 | .4 | LU | | | |
| 12 | 0130 | 2.0 | .6 | 27 | 0025 | 2.0 | .6 |
| | 0645 | 1.4 | .4 | | 0640 | .9 | .3 |
| MO | 1200 | 1.9 | .6 | TU | 1225 | 1.6 | .5 |
| LU | 1810 | 1.3 | .4 | MA | 1750 | .9 | .3 |
| 13 | 0140 | 2.3 | .7 | 28 | 0105 | 2.4 | .7 |
| | 0805 | 1.2 | .4 | | 0805 | .7 | .2 |
| TU | 1315 | 1.6 | .5 | WE | 1400 | 1.3 | .4 |
| MA | 1810 | 1.3 | .4 | ME | 1810 | .9 | .3 |
| 14 | 0155 | 2.6 | .8 | 29 | 0150 | 2.7 | .8 |
| | 0925 | 1.0 | .3 | | 0930 | .5 | .2 |
| WE | 1455 | 1.3 | .4 | TH | 1555 | 1.0 | .3 |
| ME | 1750 | 1.3 | .4 | JE | 1835 | .9 | .3 |
| 15 | 0220 | 2.8 | .9 | 30 | 0235 | 3.0 | .9 |
| | 1045 | .8 | .2 | | 1110 | .3 | .1 |
| TH | 1600 | 1.1 | .3 | FR | 1820 | 1.0 | .3 |
| JE | 2100 | 1.4 | .4 | VE | 1910 | 1.0 | .3 |

# RUSTICO (AST 2 1/4)



1989

## JULY-JUILLET

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0325 | 3.2 | 1.0 | 16 | 0255 | 3.2 | 1.0 |
| | 1225 | .1 | 0 | | 1325 | .4 | 1 |
| SA | 1935 | 1.0 | .3 | SU | | | |
| SA | 2010 | 1.0 | .3 | DI | | | |
| 2 | 0415 | 3.3 | 1.0 | 17 | 0350 | 3.4 | 1.0 |
| | 1320 | .1 | 0 | | 1350 | .2 | 1 |
| SU | 2010 | 1.1 | .3 | MO | | | |
| DI | 2125 | 1.1 | .3 | LU | | | |
| 3 | 0510 | 3.3 | 1.0 | 18 | 0445 | 3.5 | 1.1 |
| | 1405 | .1 | 0 | | 1410 | .1 | 0 |
| MO | 2045 | 1.1 | .3 | TU | | | |
| LU | 2235 | 1.1 | .3 | MA | | | |
| 4 | 0605 | 3.3 | 1.0 | 19 | 0545 | 3.5 | 1.1 |
| | 1440 | .2 | .1 | | 1425 | .1 | 0 |
| TU | 2120 | 1.2 | .4 | WE | | | |
| MA | 2340 | 1.1 | .3 | ME | | | |
| 5 | 0655 | 3.3 | 1.0 | 20 | 0645 | 3.5 | 1.1 |
| | 1515 | .3 | .1 | | 1450 | .1 | 0 |
| WE | 2155 | 1.3 | .4 | TH | 2200 | 1.2 | .4 |
| ME | | | | JE | | | |
| 6 | 0045 | 1.2 | .4 | 21 | 0010 | 1.2 | .4 |
| | 0745 | 3.1 | .9 | | 0740 | 3.3 | 1.0 |
| TH | 1540 | .5 | .2 | FR | 1510 | .2 | .1 |
| JE | 2230 | 1.4 | .4 | VE | 2145 | 1.3 | .4 |
| 7 | 0150 | 1.2 | .4 | 22 | 0145 | 1.1 | .3 |
| | 0830 | 2.9 | .9 | | 0830 | 3.0 | .9 |
| FR | 1605 | .7 | .2 | SA | 1530 | .4 | .1 |
| VE | 2305 | 1.6 | .5 | SA | 2155 | 1.5 | .5 |
| 8 | 0255 | 1.2 | .4 | 23 | 0300 | .9 | .3 |
| | 0910 | 2.6 | .8 | | 0920 | 2.6 | .8 |
| SA | 1620 | .9 | .3 | SU | 1555 | .5 | .2 |
| SA | 2330 | 1.7 | .5 | DI | 2215 | 1.6 | .5 |
| 9 | 0400 | 1.2 | .4 | 24 | 0415 | .8 | .2 |
| | 0955 | 2.3 | .7 | | 1015 | 2.1 | .6 |
| SU | 1630 | 1.0 | .3 | MO | 1615 | .7 | .2 |
| DI | 2350 | 1.9 | .6 | LU | 2250 | 2.1 | .6 |
| 10 | 0515 | 1.2 | .4 | 25 | 0525 | .7 | .2 |
| | 1040 | 1.9 | .6 | | 1125 | 1.6 | .5 |
| MO | 1635 | 1.1 | .3 | TU | 1635 | .8 | .2 |
| LU | | | | MA | 2335 | 2.4 | .7 |
| 11 | 0000 | 2.1 | .6 | 26 | 0645 | .6 | .2 |
| | 0625 | 1.2 | .4 | | 1250 | 1.2 | .4 |
| TU | 1125 | 1.5 | .5 | WE | 1655 | .8 | .2 |
| MA | 1640 | 1.1 | .3 | ME | | | |
| 12 | 0015 | 2.4 | .7 | 27 | 0030 | 2.7 | .8 |
| | 0740 | 1.1 | .3 | | 0815 | .5 | .2 |
| WE | 1230 | 1.2 | .4 | TH | 1425 | 1.0 | .3 |
| ME | 1635 | 1.1 | .3 | JE | 1715 | .9 | .3 |
| 13 | 0045 | 2.6 | .8 | 28 | 0125 | 2.9 | .9 |
| | 0935 | .9 | .3 | | 1025 | .4 | .1 |
| TH | 1530 | 1.0 | .3 | FR | 1615 | .9 | .3 |
| JE | 1900 | 1.3 | .4 | VE | 1725 | .9 | .3 |
| 14 | 0125 | 2.9 | .9 | 29 | 0220 | 3.0 | .9 |
| | 1215 | .7 | .2 | | 1200 | .3 | .1 |
| FR | | | | SA | | | |
| VE | | | | SA | | | |
| 15 | 0210 | 3.1 | .9 | 30 | 0315 | 3.1 | .9 |
| | 1255 | .5 | .2 | | 1255 | .3 | .1 |
| SA | | | | SU | | | |
| SA | | | | DI | | | |
| | | | | 31 | 0415 | 3.2 | 1.0 |
| | | | | | 1340 | .4 | .1 |
| | | | | MO | 1945 | 1.1 | .3 |
| | | | | LU | 2100 | 1.1 | .3 |

## AUGUST-AOUT

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0515 | 3.2 | 1.0 | 16 | 0435 | 3.4 | 1.0 |
| | 1405 | .5 | .2 | | 1310 | .4 | 1 |
| TU | 2005 | 1.2 | .4 | WE | 2025 | 1.2 | .4 |
| MA | 2245 | 1.1 | .3 | ME | 2055 | 1.2 | .4 |
| 2 | 0615 | 3.1 | .9 | 17 | 0540 | 3.4 | 1.0 |
| | 1420 | .6 | .2 | | 1325 | .3 | 1 |
| WE | 2025 | 1.3 | .4 | TH | 1945 | 1.4 | .4 |
| ME | | | | JE | 2345 | 1.1 | .3 |
| 3 | 0000 | 1.1 | .3 | 18 | 0640 | 3.2 | 1.0 |
| | 0705 | 3.0 | .9 | | 1350 | .3 | 1 |
| TH | 1435 | .7 | .2 | FR | 1955 | 1.7 | .5 |
| JE | 2050 | 1.5 | .5 | VE | | | |
| 4 | 0110 | 1.0 | .3 | 19 | 0105 | .9 | .3 |
| | 0750 | 2.8 | .9 | | 0735 | 2.9 | .9 |
| FR | 1450 | .8 | .2 | SA | 1415 | .4 | 1 |
| VE | 2110 | 1.7 | .5 | SA | 2020 | 2.0 | .6 |
| 5 | 0205 | 1.0 | .3 | 20 | 0215 | .7 | .2 |
| | 0835 | 2.6 | .8 | | 0830 | 2.6 | .8 |
| SA | 1500 | .9 | .3 | SU | 1440 | .5 | .2 |
| SA | 2120 | 1.9 | .6 | DI | 2045 | 2.3 | .7 |
| 6 | 0300 | 1.0 | .3 | 21 | 0315 | .6 | .2 |
| | 0915 | 2.3 | .7 | | 0925 | 2.1 | .6 |
| SU | 1515 | 1.0 | .3 | MO | 1505 | .7 | .2 |
| DI | 2125 | 2.1 | .6 | LU | 2115 | 2.5 | .8 |
| 7 | 0355 | 1.0 | .3 | 22 | 0420 | .5 | .2 |
| | 0950 | 2.0 | .6 | | 1030 | 1.7 | .5 |
| MO | 1530 | 1.1 | .3 | TU | 1525 | .8 | .2 |
| LU | 2135 | 2.3 | .7 | MA | 2155 | 2.7 | .8 |
| 8 | 0450 | 1.0 | .3 | 23 | 0530 | .4 | 1 |
| | 1030 | 1.7 | .5 | | 1145 | 1.4 | .4 |
| TU | 1540 | 1.1 | .3 | WE | 1550 | .8 | .2 |
| MA | 2205 | 2.5 | .8 | ME | 2245 | 2.9 | .9 |
| 9 | 0545 | 1.0 | .3 | 24 | 0650 | .5 | .2 |
| | 1100 | 1.4 | .4 | | 1310 | 1.2 | .4 |
| WE | 1545 | 1.1 | .3 | TH | 1615 | .9 | .3 |
| ME | 2240 | 2.6 | .8 | JE | 2350 | 3.0 | .9 |
| 10 | 0645 | 1.0 | .3 | 25 | 0840 | .6 | .2 |
| | 1015 | 1.1 | .3 | | 1425 | 1.0 | .3 |
| TH | 1520 | 1.1 | .3 | FR | 1640 | .9 | .3 |
| JE | 2330 | 2.8 | .9 | VE | | | |
| 11 | 1235 | .9 | .3 | 26 | 0055 | 3.1 | .9 |
| | | | | | 1055 | .6 | .2 |
| FR | | | | SA | 1545 | 1.0 | .3 |
| VE | | | | SA | 1700 | 1.0 | .3 |
| 12 | 0025 | 3.0 | .9 | 27 | 0200 | 3.1 | .9 |
| | 1255 | .7 | .2 | | 1205 | .6 | .2 |
| SA | | | | SU | 1645 | 1.0 | .3 |
| SA | | | | DI | 2100 | 1.4 | .4 |
| 13 | 0125 | 3.1 | .9 | 28 | 0305 | 3.1 | .9 |
| | 1310 | .8 | .2 | | 1250 | .7 | .2 |
| SU | | | | MO | 1815 | 1.2 | .4 |
| DI | | | | LU | 1915 | 1.1 | .3 |
| 14 | 0225 | 3.3 | 1.0 | 29 | 0415 | 3.1 | .9 |
| | 1315 | .5 | .2 | | 1315 | .6 | .2 |
| MO | | | | TU | 1830 | 1.3 | .4 |
| LU | | | | MA | 2145 | 1.2 | .4 |
| 15 | 0330 | 3.4 | 1.0 | 30 | 0520 | 3.0 | .9 |
| | 1305 | .4 | 1 | | 1315 | 1.0 | .3 |
| TU | | | | WE | 1850 | 1.5 | .5 |
| MA | | | | ME | 2310 | 1.1 | .3 |
| | | | | 31 | 0620 | 2.9 | .9 |
| | | | | | 1320 | 1.1 | .3 |
| | | | | TH | 1910 | 1.7 | .5 |
| | | | | JE | | | |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht /ft | Ht m | Jour | Heure | H /pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0020 | 1.0 | .3 | 16 | 0010 | .9 | .3 |
| | 0710 | 2.7 | .8 | | 0635 | 2.7 | .8 |
| FR | 1330 | 1.1 | .3 | SA | 1250 | .7 | .2 |
| VE | 1920 | 2.0 | .6 | SA | 1850 | 2.5 | .8 |
| 2 | 0115 | .9 | .3 | 17 | 0120 | .6 | .2 |
| | 0750 | 2.5 | .8 | | 0740 | 2.4 | .7 |
| SA | 1345 | 1.1 | .3 | SU | 1320 | .7 | .2 |
| SA | 1930 | 2.3 | .7 | DI | 1920 | 2.2 | .9 |
| 3 | 0205 | .8 | .2 | 18 | 0220 | .3 | .1 |
| | 0830 | 2.3 | .7 | | 0840 | 2.1 | .6 |
| SU | 1400 | 1.1 | .3 | MO | 1345 | .8 | .2 |
| DI | 1945 | 2.5 | .8 | LU | 1955 | 3.1 | .9 |
| 4 | 0255 | .8 | .2 | 19 | 0320 | .2 | .1 |
| | 0915 | 2.1 | .6 | | 0940 | 1.8 | .5 |
| MO | 1420 | 1.2 | .4 | TU | 1415 | .9 | .3 |
| LU | 2010 | 2.7 | .8 | MA | 2035 | 3.3 | 1.0 |
| 5 | 0335 | .8 | .2 | 20 | 0415 | .2 | .1 |
| | 0955 | 1.8 | .5 | | 1050 | 1.5 | .5 |
| TU | 1440 | 1.2 | .4 | WE | 1445 | 1.0 | .3 |
| MA | 2035 | 2.8 | .9 | ME | 2115 | 3.4 | 1.0 |
| 6 | 0415 | .9 | .3 | 21 | 0520 | .3 | .1 |
| | 1045 | 1.6 | .5 | | 1200 | 1.4 | .4 |
| WE | 1450 | 1.3 | .4 | TH | 1510 | 1.0 | .3 |
| ME | 2105 | 2.9 | .9 | JE | 2205 | 3.4 | 1.0 |
| 7 | 0500 | 1.0 | .3 | 22 | 0640 | .5 | .2 |
| | 1230 | 1.3 | .4 | | 1310 | 1.3 | .4 |
| TH | 1450 | 1.3 | .4 | FR | 1540 | 1.1 | .3 |
| JE | 2140 | 3.0 | .9 | VE | 2310 | 3.3 | 1.0 |
| 8 | 0550 | 1.1 | .3 | 23 | 0830 | .7 | .2 |
| | 0830 | 1.2 | .4 | | 1410 | 1.3 | .4 |
| FR | 1545 | 1.3 | .4 | SA | 1610 | 1.2 | .4 |
| VE | 2230 | 3.1 | .9 | SA | | | |
| 9 | 1155 | 1.0 | .3 | 24 | 0020 | 3.2 | 1.0 |
| | 2330 | 3.2 | 1.0 | | 1025 | .8 | .2 |
| SA | | | | SU | 1510 | 1.3 | .4 |
| SA | | | | DI | 1650 | 1.3 | .4 |
| 10 | 1220 | .9 | .3 | 25 | 0135 | 3.1 | .9 |
| | | | | | 1120 | 1.0 | .3 |
| SU | | | | MO | 1605 | 1.4 | .4 |
| DI | | | | LU | 1805 | 1.4 | .4 |
| 11 | 0045 | 3.2 | 1.0 | 26 | 0245 | 3.0 | .9 |
| | 1225 | .9 | .3 | | 1145 | 1.2 | .4 |
| MO | | | | TU | 1640 | 1.6 | .5 |
| LU | | | | MA | 2040 | 1.4 | .4 |
| 12 | 0200 | 3.3 | 1.0 | 27 | 0400 | 2.8 | .9 |
| | 1140 | .9 | .3 | | 1145 | 1.3 | .4 |
| TU | | | | WE | 1705 | 1.6 | .5 |
| MA | | | | ME | 2215 | 1.3 | .4 |
| 13 | 0310 | 3.2 | 1.0 | 28 | 0515 | 2.7 | .8 |
| | 1130 | .8 | .2 | | 1150 | 1.4 | .4 |
| WE | 1720 | 1.5 | .5 | TH | 1725 | 2.1 | .6 |
| ME | 2045 | 1.3 | .4 | JE | 2325 | 1.1 | .3 |
| 14 | 0420 | 3.1 | .9 | 29 | 0620 | 2.5 | .8 |
| | 1150 | .7 | .2 | | 1200 | 1.5 | .5 |
| TH | 1745 | 1.6 | .5 | FR | 1740 | 2.4 | .7 |
| JE | 2250 | 1.1 | .3 | VE | | | |
| 15 | 0530 | 3.0 | .9 | 30 | 0020 | .9 | .3 |
| | 1220 | .7 | .2 | | 0710 | 2.4 | .7 |
| FR | 1815 | 2.1 | .6 | SA | 1220 | 1.4 | .4 |
| VE | | | | SA | 1800 | 2.7 | .8 |

V-2

# TABLE DES MARÉES

1989

## OCTOBER-OCTOBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0115 | .8 | 2 | 16 | 0125 | .3 | 1 |
| | 0755 | 2.2 | 7 | | 0750 | 1.9 | .6 |
| SU | 1240 | 1.4 | 4 | MO | 1220 | 1.0 | .3 |
| DI | 1830 | 3.0 | 9 | LU | 1840 | 3.6 | 1.1 |
| 2 | 0200 | .7 | 2 | 17 | 0220 | .1 | .0 |
| | 0840 | 2.1 | 6 | | 0855 | 1.8 | .5 |
| MO | 1305 | 1.4 | 4 | TU | 1255 | 1.1 | .3 |
| LU | 1855 | 3.2 | 1.0 | MA | 1920 | 3.8 | 1.2 |
| 3 | 0240 | .6 | 2 | 18 | 0315 | .0 | .0 |
| | 0930 | 1.9 | 6 | | 1000 | 1.6 | .5 |
| TU | 1330 | 1.4 | 4 | WE | 1330 | 1.2 | .4 |
| MA | 1925 | 3.3 | 1.0 | ME | 2000 | 3.9 | 1.2 |
| 4 | 0315 | .7 | 2 | 19 | 0410 | .1 | .0 |
| | 1035 | 1.7 | 5 | | 1100 | 1.5 | .5 |
| WE | 1350 | 1.5 | 5 | TH | 1405 | 1.2 | .4 |
| ME | 1955 | 3.4 | 1.0 | JE | 2045 | 3.8 | 1.2 |
| 5 | 0355 | .5 | .2 | 20 | 0510 | .3 | .1 |
| | 1205 | 1.6 | .5 | | 1200 | 1.5 | .5 |
| TH | 1355 | 1.5 | .5 | FR | 1435 | 1.3 | .4 |
| JE | 2025 | 3.4 | 1.0 | VE | 2135 | 3.7 | 1.1 |
| 6 | 0430 | 1.0 | .3 | 21 | 0625 | .6 | .2 |
| | 1430 | 1.5 | .5 | | 1300 | 1.5 | .5 |
| FR | 1600 | 1.7 | .5 | SA | 1510 | 1.4 | .4 |
| VE | 2105 | 3.4 | 1.0 | SA | 2230 | 3.5 | 1.1 |
| 7 | 0520 | 1.1 | .3 | 22 | 0755 | .9 | .3 |
| | 0745 | 1.2 | .4 | | 1355 | 1.6 | .5 |
| SA | 1000 | 1.2 | .4 | SU | 1555 | 1.5 | .5 |
| SA | 2155 | 3.4 | 1.0 | DI | 2340 | 3.2 | 1.0 |
| 8 | 1100 | 1.1 | .3 | 23 | 0915 | 1.1 | .3 |
| | 2255 | 3.3 | 1.0 | | 1440 | 1.7 | .5 |
| SU | | | | MO | 1700 | 1.8 | .5 |
| DI | | | | LU | | | |
| 9 | 1120 | 1.2 | .4 | 24 | 0100 | 2.9 | .9 |
| | | | | | 0950 | 1.4 | .4 |
| MO | | | | TU | 1510 | 1.9 | .6 |
| LU | | | | MA | 1925 | 1.8 | .5 |
| 10 | 0010 | 3.2 | 1.0 | 25 | 0215 | 2.7 | .8 |
| | 0910 | 1.2 | .4 | | 1000 | 1.8 | .5 |
| TU | 1455 | 1.5 | .5 | WE | 1535 | 2.1 | .6 |
| MA | 1700 | 1.5 | .5 | ME | 2105 | 1.5 | .5 |
| 11 | 0130 | 3.1 | .9 | 26 | 0340 | 2.4 | .7 |
| | 0930 | 1.2 | .4 | | 1010 | 1.7 | .5 |
| WE | 1520 | 1.8 | .5 | TH | 1555 | 2.4 | .7 |
| ME | 1940 | 1.5 | .5 | JE | 2220 | 1.3 | .4 |
| 12 | 0245 | 2.9 | .9 | 27 | 0510 | 2.2 | .7 |
| | 1000 | 1.1 | .3 | | 1020 | 1.7 | .5 |
| TH | 1555 | 2.2 | .7 | FR | 1615 | 2.8 | .9 |
| JE | 2140 | 1.2 | .4 | VE | 2325 | 1.0 | .3 |
| 13 | 0405 | 2.6 | .8 | 28 | 0625 | 2.1 | .6 |
| | 1035 | 1.1 | .3 | | 1035 | 1.7 | .5 |
| FR | 1635 | 2.6 | .8 | SA | 1640 | 3.1 | .9 |
| VE | 2305 | .9 | .3 | SA | | | |
| 14 | 0525 | 2.3 | .7 | 29 | 0020 | .8 | .2 |
| | 1110 | 1.0 | .3 | | 0720 | 2.0 | .6 |
| SA | 1720 | 3.0 | .9 | SU | 1105 | 1.8 | .5 |
| SA | | | | DI | 1710 | 3.3 | 1.0 |
| 15 | 0020 | .6 | .2 | 30 | 0110 | .7 | .2 |
| | 0645 | 2.1 | .6 | | 0810 | 1.9 | .6 |
| SU | 1145 | 1.0 | .3 | MO | 1135 | 1.8 | .5 |
| DI | 1800 | 3.3 | 1.0 | LU | 1745 | 3.6 | 1.1 |
| | | | | 31 | 0155 | .6 | .2 |
| | | | | | 0905 | 1.8 | .5 |
| | | | | TU | 1205 | 1.6 | .5 |
| | | | | MA | 1820 | 3.6 | 1.1 |

## NOVEMBER-NOVEMBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0235 | .6 | 2 | 16 | 0315 | .0 | 0 |
| | 1010 | 1.7 | .5 | | 1005 | 1.5 | .5 |
| WE | 1230 | 1.6 | .5 | TH | 1255 | 1.3 | .4 |
| ME | 1855 | 3.7 | 1.1 | JE | 1940 | 4.0 | 1.2 |
| 2 | 0315 | .7 | .2 | 17 | 0405 | .2 | .1 |
| | 1135 | 1.7 | .5 | | 1055 | 1.5 | .5 |
| TH | 1240 | 1.7 | .5 | FR | 1330 | 1.4 | .4 |
| JE | 1930 | 3.7 | 1.1 | VE | 2025 | 3.9 | 1.2 |
| 3 | 0355 | .6 | .2 | 18 | 0500 | .5 | .2 |
| | 2005 | 3.7 | 1.1 | | 1150 | 1.6 | .5 |
| FR | | | | SA | 1410 | 1.4 | .4 |
| VE | | | | SA | 2115 | 3.6 | 1.1 |
| 4 | 0440 | 1.0 | .3 | 19 | 0600 | .8 | .2 |
| | 2050 | 3.6 | 1.1 | | 1245 | 1.7 | .5 |
| SA | | | | SU | 1455 | 1.6 | .5 |
| SA | | | | DI | 2205 | 3.3 | 1.0 |
| 5 | 0530 | 1.1 | .3 | 20 | 0700 | 1.1 | .3 |
| | 0815 | 1.2 | .4 | | 1325 | 1.8 | .5 |
| SU | 1445 | 1.6 | .5 | MO | 1600 | 1.7 | .5 |
| DI | 2140 | 3.5 | 1.1 | LU | 2305 | 3.0 | .9 |
| 6 | 0615 | 1.2 | .4 | 21 | 0740 | 1.3 | .4 |
| | 0900 | 1.3 | .4 | | 1400 | 2.0 | .6 |
| MO | 1530 | 1.6 | .5 | TU | 1755 | 1.7 | .5 |
| LU | 2235 | 3.3 | 1.0 | MA | | | |
| 7 | 0650 | 1.3 | .4 | 22 | 0015 | 2.6 | .8 |
| | 1340 | 1.6 | .5 | | 0800 | 1.5 | .5 |
| TU | 1600 | 1.6 | .5 | WE | 1425 | 2.2 | .7 |
| MA | 2340 | 3.0 | .9 | ME | 1945 | 1.6 | .5 |
| 8 | 0725 | 1.3 | .4 | 23 | 0135 | 2.2 | .7 |
| | 1355 | 1.9 | .6 | | 0805 | 1.7 | .5 |
| WE | 1825 | 1.5 | .5 | TH | 1440 | 2.5 | .8 |
| ME | | | | JE | 2110 | 1.4 | .4 |
| 9 | 0100 | 2.6 | .8 | 24 | 0310 | 1.9 | .6 |
| | 0800 | 1.3 | .4 | | 0810 | 1.7 | .5 |
| TH | 1425 | 2.3 | .7 | FR | 1500 | 2.9 | .9 |
| JE | 2025 | 1.3 | .4 | VE | 2230 | 1.2 | .4 |
| 10 | 0225 | 2.3 | .7 | 25 | 0535 | 1.7 | .5 |
| | 0840 | 1.2 | .4 | | 0830 | 1.7 | .5 |
| FR | 1510 | 2.8 | .9 | SA | 1525 | 3.2 | 1.0 |
| VE | 2155 | 1.0 | .3 | SA | 2335 | 1.0 | .3 |
| 11 | 0400 | 1.9 | .6 | 26 | 0700 | 1.7 | .5 |
| | 0920 | 1.2 | .4 | | 0900 | 1.6 | .5 |
| SA | 1555 | 3.2 | 1.0 | SU | 1600 | 3.4 | 1.0 |
| SA | 2315 | .7 | .2 | DI | | | |
| 12 | 0545 | 1.7 | .5 | 27 | 0035 | .8 | .2 |
| | 1000 | 1.2 | .4 | | 0755 | 1.6 | .5 |
| SU | 1640 | 3.5 | 1.1 | MO | 0935 | 1.8 | .5 |
| DI | | | | LU | 1635 | 3.6 | 1.1 |
| 13 | 0030 | .3 | .1 | 28 | 0125 | .8 | .2 |
| | 0705 | 1.6 | .5 | | 0855 | 1.8 | .5 |
| MO | 1045 | 1.2 | .4 | TU | 1010 | 1.8 | .5 |
| LU | 1725 | 3.8 | 1.2 | MA | 1715 | 3.7 | 1.1 |
| 14 | 0130 | .1 | .0 | 29 | 0210 | .6 | .2 |
| | 0810 | 1.6 | .5 | | 1800 | 3.8 | 1.2 |
| TU | 1130 | 1.2 | .4 | WE | | | |
| MA | 1810 | 4.0 | 1.2 | ME | | | |
| 15 | 0225 | .0 | .0 | 30 | 0250 | .5 | .2 |
| | 0910 | 1.5 | .5 | | 1840 | 3.8 | 1.2 |
| WE | 1215 | 1.3 | .4 | TH | | | |
| ME | 1855 | 4.0 | 1.2 | JE | | | |

## DECEMBER-DECEMBRE

| Day | Time | Ht/ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0335 | .6 | 2 | 16 | 0355 | .4 | 1 |
| | 1920 | 3.8 | 1.2 | | 1035 | 1.5 | 5 |
| FR | | | | SA | 1315 | 1.4 | 4 |
| VE | | | | SA | 2020 | 3.6 | 1.1 |
| 2 | 0415 | .7 | 2 | 17 | 0435 | .6 | 2 |
| | 2005 | 3.7 | 1.1 | | 1125 | 1.6 | 5 |
| SA | | | | SU | 1410 | 1.4 | 4 |
| SA | | | | DI | 2110 | 3.4 | 1.0 |
| 3 | 0445 | .8 | 2 | 18 | 0510 | .9 | 3 |
| | 2050 | 3.6 | 1.1 | | 1205 | 1.7 | 5 |
| SU | | | | MO | 1515 | 1.5 | 5 |
| DI | | | | LU | 2155 | 3.0 | 9 |
| 4 | 0510 | 1.0 | 3 | 19 | 0535 | 1.2 | 4 |
| | 2135 | 3.3 | 1.0 | | 1240 | 1.9 | 6 |
| MO | | | | TU | 1635 | 1.6 | 5 |
| LU | | | | MA | 2245 | 2.6 | 8 |
| 5 | 0525 | 1.1 | 3 | 20 | 0550 | 1.4 | 4 |
| | 1235 | 1.8 | 5 | | 1310 | 2.1 | 6 |
| TU | 1505 | 1.5 | 5 | WE | 1810 | 1.6 | 5 |
| MA | 2225 | 3.0 | 9 | ME | 2340 | 2.2 | 7 |
| 6 | 0545 | 1.2 | 4 | 21 | 0555 | 1.5 | 5 |
| | 1240 | 1.9 | 6 | | 1325 | 2.4 | 7 |
| WE | 1710 | 1.5 | 5 | TH | 1940 | 1.5 | 5 |
| ME | 2325 | 2.5 | 8 | JE | | | |
| 7 | 0610 | 1.2 | 4 | 22 | 0045 | 1.8 | 5 |
| | 1305 | 2.3 | 7 | | 0550 | 1.5 | 5 |
| TH | 1905 | 1.3 | 4 | FR | 1345 | 2.7 | 8 |
| JE | | | | VE | 2110 | 1.3 | 4 |
| 8 | 0040 | 2.1 | 6 | 23 | 0225 | 1.5 | 5 |
| | 0640 | 1.2 | 4 | | 0540 | 1.5 | 5 |
| FR | 1350 | 2.7 | 8 | SA | 1410 | 3.0 | 9 |
| VE | 2040 | 1.1 | 3 | SA | 2310 | 1.1 | 3 |
| 9 | 0220 | 1.6 | 5 | 24 | 0745 | 1.5 | 5 |
| | 0715 | 1.2 | 4 | | 0900 | 1.7 | 5 |
| SA | 1435 | 3.1 | 9 | SU | 1445 | 3.2 | 1.0 |
| SA | 2210 | .8 | 2 | DI | | | |
| 10 | 0425 | 1.4 | 4 | 25 | 0030 | .9 | 3 |
| | 0800 | 1.2 | 4 | | 1525 | 3.4 | 1.0 |
| SU | 1525 | 3.4 | 1.0 | MO | | | |
| DI | 2340 | .5 | 2 | LU | | | |
| 11 | 0620 | 1.3 | 4 | 26 | 0115 | .8 | 2 |
| | 0855 | 1.2 | 4 | | 1610 | 3.8 | 1.1 |
| MO | 1615 | 3.7 | 1.1 | TU | | | |
| LU | | | | MA | | | |
| 12 | 0050 | .3 | 1 | 27 | 0155 | .6 | 2 |
| | 0730 | 1.3 | 4 | | 1655 | 3.7 | 1.1 |
| TU | 0950 | 1.2 | 4 | WE | | | |
| MA | 1710 | 3.8 | 1.2 | ME | | | |
| 13 | 0140 | .1 | 0 | 28 | 0230 | .5 | 2 |
| | 0820 | 1.4 | 4 | | 1745 | 3.8 | 1.2 |
| WE | 1045 | 1.2 | 4 | TH | | | |
| ME | 1800 | 3.9 | 1.2 | JE | | | |
| 14 | 0230 | .1 | 0 | 29 | 0305 | .5 | 2 |
| | 0905 | 1.4 | 4 | | 1835 | 3.8 | 1.2 |
| TH | 1140 | 1.2 | 4 | FR | | | |
| JE | 1850 | 3.9 | 1.2 | VE | | | |
| 15 | 0310 | .2 | 1 | 30 | 0330 | .5 | 2 |
| | 0950 | 1.4 | 4 | | 1925 | 3.7 | 1.1 |
| FR | 1230 | 1.3 | 4 | SA | | | |
| VE | 1935 | 3.8 | 1.2 | SA | | | |
| | | | | 31 | 0350 | .6 | 2 |
| | | | | | 2010 | 3.8 | 1.1 |
| | | | | SU | | | |
| | | | | DI | | | |

# ESCUMINAC (AST 2 1/4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H/pi | H/m |
|---|---|---|---|---|---|---|---|
| 1 | 0400 | 1.6 | 5 | 16 | 0420 | 1.5 | .5 |
| | 1045 | 3.3 | 1.0 | | 1130 | 3.9 | 1.2 |
| SU | 1820 | 1.8 | 5 | MO | 1905 | 1.2 | 4 |
| DI | 2245 | 2.2 | .7 | LU | | | |
| 2 | 0420 | 1.6 | 5 | 17 | 0130 | 1.8 | 5 |
| | 1140 | 3.6 | 1.1 | | 0505 | 1.6 | 5 |
| MO | 1940 | 1.6 | 5 | TU | 1235 | 4.2 | 1.3 |
| LU | | | | MA | 2025 | 1.1 | 3 |
| 3 | 0000 | 1.9 | 6 | 18 | 0325 | 1.8 | 5 |
| | 0450 | 1.6 | 5 | | 0555 | 1.6 | 5 |
| TU | 1235 | 3.9 | 1.2 | WE | 1335 | 4.4 | 1.3 |
| MA | 2045 | 1.4 | 4 | ME | 2140 | 1.0 | 3 |
| 4 | 0120 | 1.8 | 5 | 19 | 0430 | 1.8 | 5 |
| | 0530 | 1.6 | 5 | | 0655 | 1.6 | 5 |
| WE | 1325 | 4.2 | 1.3 | TH | 1425 | 4.7 | 1.4 |
| ME | 2145 | 1.2 | 4 | JE | 2235 | .9 | 3 |
| 5 | 0245 | 1.7 | 5 | 20 | 0520 | 1.6 | 5 |
| | 0620 | 1.5 | 5 | | 0750 | 1.6 | 5 |
| TH | 1410 | 4.6 | 1.4 | FR | 1515 | 4.8 | 1.5 |
| JE | 2235 | 1.0 | 3 | VE | 2325 | .8 | 2 |
| 6 | 0400 | 1.7 | 5 | 21 | 0600 | 1.9 | 6 |
| | 0720 | 1.5 | 5 | | 0845 | 1.7 | 5 |
| FR | 1500 | 4.9 | 1.5 | SA | 1555 | 4.9 | 1.5 |
| VE | 2320 | .8 | 2 | SA | | | |
| 7 | 0500 | 1.7 | 5 | 22 | 0000 | .8 | 2 |
| | 0820 | 1.5 | 5 | | 0635 | 1.9 | 6 |
| SA | 1545 | 5.1 | 1.6 | SU | 0940 | 1.7 | 5 |
| SA | 2355 | .6 | 2 | DI | 1635 | 4.8 | 1.5 |
| 8 | 0550 | 1.8 | 5 | 23 | 0035 | .8 | 2 |
| | 0915 | 1.5 | 5 | | 0700 | 2.0 | 6 |
| SU | 1625 | 5.2 | 1.6 | MO | 1025 | 1.7 | 5 |
| DI | | | | LU | 1710 | 4.6 | 1.4 |
| 9 | 0035 | .5 | 2 | 24 | 0105 | .8 | 2 |
| | 0630 | 1.9 | 6 | | 0700 | 2.1 | 6 |
| MO | 1015 | 1.5 | 5 | TU | 1110 | 1.7 | 5 |
| LU | 1710 | 5.1 | 1.6 | MA | 1745 | 4.4 | 1.3 |
| 10 | 0105 | .4 | 1 | 25 | 0130 | 1.9 | 3 |
| | 0710 | 2.1 | 6 | | 0655 | 2.3 | 7 |
| TU | 1115 | 1.5 | 5 | WE | 1200 | 1.7 | 5 |
| MA | 1755 | 4.8 | 1.5 | ME | 1820 | 4.0 | 1.2 |
| 11 | 0140 | .5 | 2 | 26 | 0150 | 1.1 | 3 |
| | 0745 | 2.4 | 7 | | 0705 | 2.5 | 8 |
| WE | 1220 | 1.5 | 5 | TH | 1255 | 1.7 | 5 |
| ME | 1845 | 4.3 | 1.3 | JE | 1855 | 3.5 | 1.1 |
| 12 | 0210 | .8 | 2 | 27 | 0205 | 1.3 | 4 |
| | 0820 | 2.7 | 8 | | 0730 | 2.8 | 9 |
| TH | 1335 | 1.6 | 5 | FR | 1400 | 1.8 | 5 |
| JE | 1935 | 3.7 | 1.1 | VE | 1930 | 3.0 | 9 |
| 13 | 0240 | .9 | 3 | 28 | 0215 | 1.4 | 4 |
| | 0855 | 3.0 | 9 | | 0805 | 3.1 | 9 |
| FR | 1500 | 1.5 | 5 | SA | 1510 | 1.8 | 5 |
| VE | 2030 | 3.1 | 9 | SA | 2005 | 2.6 | 8 |
| 14 | 0315 | 1.1 | 3 | 29 | 0225 | 1.5 | 5 |
| | 0940 | 3.4 | 1.0 | | 0845 | 3.3 | 1.0 |
| SA | 1620 | 1.4 | 4 | SU | 1630 | 1.8 | 5 |
| SA | 2135 | 2.5 | 8 | DI | 2035 | 2.2 | 7 |
| 15 | 0345 | 1.3 | 4 | 30 | 0235 | 1.6 | 5 |
| | 1030 | 3.7 | 1.1 | | 0940 | 3.5 | 1.1 |
| SU | 1740 | 1.3 | 4 | MO | 1750 | 1.7 | 5 |
| DI | 2305 | 2.0 | 6 | LU | 2110 | 1.9 | 6 |
| | | | | 31 | 0250 | 1.4 | 4 |
| | | | | | 1045 | 3.8 | 1.2 |
| | | | | TU | 1920 | 1.6 | 5 |
| | | | | MA | 2200 | 1.6 | 5 |

### FEBRUARY-FEVRIER

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H/pi | H/m |
|---|---|---|---|---|---|---|---|
| 1 | 0315 | 1.4 | 4 | 16 | 0335 | 1.7 | 5 |
| | 1150 | 4.0 | 1.2 | | 0520 | 1.6 | 5 |
| WE | 2110 | 1.4 | 4 | TH | 1325 | 4.3 | 1.3 |
| ME | | | | JE | 2150 | 1.1 | 3 |
| 2 | 0005 | 1.5 | 5 | 17 | 0415 | 1.8 | 5 |
| | 0400 | 1.4 | 4 | | 0635 | 1.7 | 5 |
| TH | 1250 | 4.3 | 1.3 | FR | 1415 | 4.4 | 1.3 |
| JE | 2155 | 1.2 | 4 | VE | 2225 | 1.1 | 3 |
| 3 | 0300 | 1.4 | 4 | 18 | 0445 | 1.9 | 6 |
| | 0520 | 1.4 | 4 | | 0745 | 1.7 | 5 |
| FR | 1345 | 4.7 | 1.4 | SA | 1500 | 4.4 | 1.3 |
| VE | 2225 | .9 | 3 | SA | 2255 | 1.0 | 3 |
| 4 | 0400 | 1.5 | 5 | 19 | 0510 | 2.0 | 6 |
| | 0645 | 1.4 | 4 | | 0845 | 1.6 | 5 |
| SA | 1435 | 4.9 | 1.5 | SU | 1540 | 4.4 | 1.3 |
| SA | 2255 | .7 | 2 | DI | 2320 | 1.0 | 3 |
| 5 | 0440 | 1.7 | 5 | 20 | 0515 | 2.2 | 7 |
| | 0805 | 1.4 | 4 | | 0940 | 1.6 | 5 |
| SU | 1525 | 5.0 | 1.5 | MO | 1615 | 4.3 | 1.3 |
| DI | 2325 | .5 | 2 | LU | 2345 | 1.0 | 3 |
| 6 | 0515 | 1.9 | 6 | 21 | 0520 | 2.4 | 7 |
| | 0920 | 1.4 | 4 | | 1035 | 1.5 | 5 |
| MO | 1610 | 5.0 | 1.5 | TU | 1655 | 4.1 | 1.2 |
| LU | 2355 | .4 | 1 | MA | | | |
| 7 | 0545 | 2.3 | 7 | 22 | 0010 | 1.1 | 3 |
| | 1025 | 1.3 | 4 | | 0530 | 2.6 | 8 |
| TU | 1700 | 4.7 | 1.4 | WE | 1120 | 1.4 | 4 |
| MA | | | | ME | 1730 | 3.8 | 1.2 |
| 8 | 0025 | .4 | 1 | 23 | 0030 | 1.2 | 4 |
| | 0620 | 2.6 | 8 | | 0550 | 2.8 | 9 |
| WE | 1130 | 1.2 | 4 | TH | 1210 | 1.3 | 4 |
| ME | 1750 | 4.3 | 1.3 | JE | 1810 | 3.4 | 1.0 |
| 9 | 0055 | .5 | 2 | 24 | 0045 | 1.3 | 4 |
| | 0650 | 3.0 | 9 | | 0615 | 3.1 | 9 |
| TH | 1240 | 1.1 | 3 | FR | 1300 | 1.3 | 4 |
| JE | 1840 | 3.7 | 1.1 | VE | 1845 | 3.0 | 9 |
| 10 | 0125 | .7 | 2 | 25 | 0055 | 1.4 | 4 |
| | 0725 | 3.4 | 1.0 | | 0645 | 3.3 | 1.0 |
| FR | 1350 | 1.0 | 3 | SA | 1355 | 1.3 | 4 |
| VE | 1935 | 3.1 | 9 | SA | 1915 | 2.6 | 8 |
| 11 | 0155 | .9 | 3 | 26 | 0105 | 1.4 | 4 |
| | 0805 | 3.7 | 1.1 | | 0715 | 3.5 | 1.1 |
| SA | 1505 | 1.0 | 3 | SU | 1455 | 1.4 | 4 |
| SA | 2030 | 2.5 | 8 | DI | 1940 | 2.3 | 7 |
| 12 | 0225 | 1.2 | 4 | 27 | 0115 | 1.4 | 4 |
| | 0855 | 3.9 | 1.2 | | 0755 | 3.7 | 1.1 |
| SU | 1620 | 1.0 | 3 | MO | 1600 | 1.5 | 5 |
| DI | 2135 | 2.0 | 6 | LU | 2000 | 2.0 | 6 |
| 13 | 0255 | 1.3 | 4 | 28 | 0125 | 1.4 | 4 |
| | 0950 | 4.1 | 1.2 | | 0845 | 3.8 | 1.2 |
| MO | 1740 | 1.1 | 3 | TU | 1710 | 1.5 | 5 |
| LU | 2340 | 1.7 | 5 | MA | 2020 | 1.7 | 5 |
| 14 | 0330 | 1.5 | 5 | | | | |
| | 1105 | 4.1 | 1.2 | | | | |
| TU | 1905 | 1.2 | 4 | | | | |
| MA | | | | | | | |
| 15 | 0230 | 1.6 | 5 | | | | |
| | 0420 | 1.6 | 5 | | | | |
| WE | 1220 | 4.2 | 1.3 | | | | |
| ME | 2045 | 1.1 | 3 | | | | |

### MARCH-MARS

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H/pi | H/m |
|---|---|---|---|---|---|---|---|
| 1 | 0135 | 1.3 | 4 | 16 | 0240 | 1.7 | 5 |
| | 0950 | 3.9 | 1.2 | | 0350 | 1.7 | 5 |
| WE | 1830 | 1.5 | 5 | TH | 1150 | 4.1 | 1.2 |
| ME | 2045 | 1.6 | 5 | JE | 2010 | 1.2 | 4 |
| 2 | 0145 | 1.3 | 4 | 17 | 0315 | 1.9 | 6 |
| | 1100 | 4.1 | 1.2 | | 0515 | 1.8 | 5 |
| TH | 2010 | 1.3 | 4 | FR | 1255 | 4.0 | 1.2 |
| JE | 2345 | 1.4 | 4 | VE | 2055 | 1.3 | 4 |
| 3 | 0445 | 1.6 | 5 | 18 | 0335 | 2.0 | 6 |
| | 1210 | 4.3 | 1.3 | | 0635 | 1.8 | 5 |
| FR | 2055 | 1.1 | 3 | SA | 1350 | 3.9 | 1.2 |
| VE | | | | SA | 2125 | 1.3 | 4 |
| 4 | 0315 | 1.5 | 5 | 19 | 0340 | 2.2 | 7 |
| | 0505 | 1.5 | 5 | | 0750 | 1.7 | 5 |
| SA | 1315 | 4.5 | 1.4 | SU | 1435 | 3.9 | 1.2 |
| SA | 2125 | .9 | 3 | DI | 2155 | 1.3 | 4 |
| 5 | 0325 | 1.8 | 5 | 20 | 0345 | 2.4 | 7 |
| | 0650 | 1.5 | 5 | | 0855 | 1.5 | 5 |
| SU | 1410 | 4.6 | 1.4 | MO | 1515 | 3.7 | 1.1 |
| DI | 2155 | .7 | 2 | LU | 2220 | 1.3 | 4 |
| 6 | 0350 | 2.1 | 6 | 21 | 0355 | 2.7 | 8 |
| | 0815 | 1.4 | 4 | | 0945 | 1.3 | 4 |
| MO | 1505 | 4.5 | 1.4 | TU | 1600 | 3.6 | 1.1 |
| LU | 2230 | .6 | 2 | MA | 2245 | 1.4 | 4 |
| 7 | 0420 | 2.5 | 8 | 22 | 0410 | 2.9 | 9 |
| | 0930 | 1.2 | 4 | | 1035 | 1.1 | 3 |
| TU | 1555 | 4.3 | 1.3 | WE | 1640 | 3.4 | 1.0 |
| MA | 2300 | .6 | 2 | ME | 2305 | 1.4 | 4 |
| 8 | 0455 | 2.9 | 9 | 23 | 0435 | 3.2 | 1.0 |
| | 1035 | .9 | 3 | | 1120 | 1.0 | 3 |
| WE | 1650 | 4.0 | 1.2 | TH | 1725 | 3.1 | 9 |
| ME | 2330 | .6 | 2 | JE | 2325 | 1.5 | 5 |
| 9 | 0530 | 3.4 | 1.0 | 24 | 0505 | 3.4 | 1.0 |
| | 1145 | .7 | 2 | | 1205 | .9 | 3 |
| TH | 1750 | 3.5 | 1.1 | FR | 1805 | 2.8 | 9 |
| JE | | | | VE | 2340 | 1.6 | 5 |
| 10 | 0000 | .3 | 2 | 25 | 0530 | 3.7 | 1.1 |
| | 0605 | 3.9 | 1.2 | | 1255 | .9 | 3 |
| FR | 1250 | .5 | 2 | SA | 1835 | 2.5 | 8 |
| VE | 1845 | 3.0 | 9 | SA | 2355 | 1.6 | 5 |
| 11 | 0035 | 1.0 | 3 | 26 | 0605 | 3.9 | 1.2 |
| | 0645 | 4.2 | 1.3 | | 1345 | 1.0 | 3 |
| SA | 1355 | .5 | 2 | SU | 1905 | 2.2 | 7 |
| SA | 1945 | 2.4 | 7 | DI | | | |
| 12 | 0105 | 1.1 | 3 | 27 | 0005 | 1.5 | 5 |
| | 0730 | 4.4 | 1.3 | | 0640 | 4.0 | 1.2 |
| SU | 1505 | .8 | 2 | MO | 1440 | 1.1 | 3 |
| DI | 2050 | 2.0 | 6 | LU | 1925 | 2.0 | 6 |
| 13 | 0135 | 1.3 | 4 | 28 | 0020 | 1.5 | 5 |
| | 0820 | 4.4 | 1.3 | | 0720 | 4.1 | 1.2 |
| MO | 1615 | .8 | 2 | TU | 1535 | 1.3 | 4 |
| LU | 2220 | 1.7 | 5 | MA | 1945 | 1.8 | 5 |
| 14 | 0210 | 1.4 | 4 | 29 | 0030 | 1.4 | 4 |
| | 0915 | 4.3 | 1.3 | | 0805 | 4.1 | 1.2 |
| TU | 1725 | 1.0 | 3 | WE | 1635 | 1.3 | 4 |
| MA | | | | ME | 2020 | 1.6 | 5 |
| 15 | 0100 | 1.6 | 5 | 30 | 0035 | 1.5 | 5 |
| | 0245 | 1.6 | 5 | | 0900 | 4.1 | 1.2 |
| WE | 1030 | 4.2 | 1.3 | TH | 1735 | 1.3 | 4 |
| ME | 1845 | 1.1 | 3 | JE | 2150 | 1.6 | 5 |
| | | | | 31 | 0010 | 1.5 | 5 |
| | | | | | 1010 | 4.1 | 1.2 |
| | | | | FR | 1830 | 1.2 | 4 |
| | | | | VE | | | |

V-2

## TABLE DES MARÉES

# ESCUMINAC (HNA 2114)

1989

### APRIL-AVRIL

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0045 | 1.7 | .5 | 16 | 0225 | 2.4 | .7 |
| | 0430 | 1.7 | .5 | | 0640 | 1.9 | .6 |
| SA | 1130 | 4.1 | 1.2 | SU | 1310 | 3.4 | 1.0 |
| SA | 1925 | 1.1 | .3 | DI | 2005 | 1.6 | .5 |
| 2 | 0210 | 1.9 | .6 | 17 | 0225 | 2.7 | .8 |
| | 0530 | 1.7 | .5 | | 0755 | 1.7 | .5 |
| SU | 1240 | 4.0 | 1.2 | MO | 1405 | 3.3 | 1.0 |
| DI | 2005 | 1.0 | .3 | LU | 2035 | 1.6 | .5 |
| 3 | 0225 | 2.3 | .7 | 18 | 0230 | 3.0 | .9 |
| | 0705 | 1.6 | .5 | | 0855 | 1.4 | .4 |
| MO | 1340 | 3.9 | 1.2 | TU | 1455 | 3.1 | .9 |
| LU | 2045 | .9 | .3 | MA | 2105 | 1.7 | .5 |
| 4 | 0255 | 2.7 | .8 | 19 | 0255 | 3.2 | 1.0 |
| | 0825 | 1.3 | .4 | | 0945 | 1.1 | .3 |
| TU | 1445 | 3.7 | 1.1 | WE | 1545 | 2.9 | .9 |
| MA | 2125 | .9 | .3 | ME | 2135 | 1.7 | .5 |
| 5 | 0330 | 3.2 | 1.0 | 20 | 0320 | 3.5 | 1.1 |
| | 0940 | .9 | .3 | | 1030 | .9 | .3 |
| WE | 1545 | 3.4 | 1.0 | TH | 1635 | 2.8 | .9 |
| ME | 2200 | 1.0 | .3 | JE | 2200 | 1.6 | .5 |
| 6 | 0405 | 3.8 | 1.2 | 21 | 0350 | 3.8 | 1.2 |
| | 1045 | .5 | .2 | | 1115 | .8 | .2 |
| TH | 1650 | 3.1 | .9 | FR | 1720 | 2.6 | .8 |
| JE | 2235 | 1.1 | .3 | VE | 2220 | 1.8 | .5 |
| 7 | 0445 | 4.3 | 1.3 | 22 | 0425 | 4.0 | 1.2 |
| | 1150 | .2 | .1 | | 1200 | .8 | .2 |
| FR | 1755 | 2.7 | .8 | SA | 1800 | 2.4 | .7 |
| VE | 2310 | 1.2 | .4 | SA | 2240 | 1.7 | .5 |
| 8 | 0530 | 4.6 | 1.4 | 23 | 0500 | 4.2 | 1.3 |
| | 1255 | .2 | .1 | | 1250 | .8 | .2 |
| SA | 1905 | 2.3 | .7 | SU | 1835 | 2.2 | .7 |
| SA | 2345 | 1.3 | .4 | DI | 2300 | 1.7 | .5 |
| 9 | 0615 | 4.8 | 1.5 | 24 | 0535 | 4.3 | 1.3 |
| | 1400 | .2 | .1 | | 1340 | .9 | .3 |
| SU | 2015 | 2.0 | .6 | MO | 1900 | 2.0 | .6 |
| DI | | | | LU | 2320 | 1.6 | .5 |
| 10 | 0020 | 1.4 | .4 | 25 | 0615 | 4.4 | 1.3 |
| | 0700 | 4.9 | 1.5 | | 1430 | 1.0 | .3 |
| MO | 1500 | .4 | .1 | TU | 1925 | 1.8 | .5 |
| LU | 2135 | 1.8 | .5 | MA | 2340 | 1.6 | .5 |
| 11 | 0055 | 1.5 | .5 | 26 | 0655 | 4.4 | 1.3 |
| | 0750 | 4.7 | 1.4 | | 1520 | 1.1 | .3 |
| TU | 1605 | .7 | .2 | WE | 2005 | 1.8 | .5 |
| MA | 2315 | 1.7 | .5 | ME | 2355 | 1.6 | .5 |
| 12 | 0125 | 1.7 | .5 | 27 | 0735 | 4.3 | 1.3 |
| | 0845 | 4.4 | 1.3 | | 1605 | 1.1 | .3 |
| WE | 1700 | 1.0 | .3 | TH | 2140 | 1.7 | .5 |
| ME | | | | JE | | | |
| 13 | 0125 | 1.8 | .5 | 28 | 0005 | 1.7 | .5 |
| | 0205 | 1.8 | .5 | | 0830 | 4.1 | 1.2 |
| TH | 0950 | 4.1 | 1.2 | FR | 1650 | 1.1 | .3 |
| JE | 1800 | 1.2 | .4 | VE | | | |
| 14 | 0205 | 2.0 | .6 | 29 | 0040 | 1.9 | .6 |
| | 0345 | 2.0 | .6 | | 0145 | 1.9 | .6 |
| FR | 1105 | 3.8 | 1.2 | SA | 0935 | 3.9 | 1.2 |
| VE | 1850 | 1.4 | .4 | SA | 1735 | 1.1 | .3 |
| 15 | 0225 | 2.2 | .7 | 30 | 0040 | 2.1 | .6 |
| | 0515 | 2.0 | .6 | | 0415 | 1.9 | .6 |
| SA | 1215 | 3.6 | 1.1 | SU | 1055 | 3.7 | 1.1 |
| SA | 1930 | 1.5 | .5 | DI | 1815 | 1.1 | .3 |

### MAY-MAI

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0100 | 2.5 | .8 | 16 | 0110 | 3.1 | .9 |
| | 0555 | 1.8 | .5 | | 0745 | 1.6 | .5 |
| MO | 1210 | 3.4 | 1.0 | TU | 1325 | 2.7 | .8 |
| LU | 1900 | 1.2 | .4 | MA | 1910 | 1.8 | .5 |
| 2 | 0130 | 2.9 | .9 | 17 | 0135 | 3.4 | 1.0 |
| | 0720 | 1.4 | .4 | | 0845 | 1.3 | .4 |
| TU | 1325 | 3.2 | 1.0 | WE | 1425 | 2.6 | .8 |
| MA | 1940 | 1.3 | .4 | ME | 1945 | 1.8 | .5 |
| 3 | 0205 | 3.4 | 1.0 | 18 | 0205 | 3.7 | 1.1 |
| | 0835 | 1.0 | .3 | | 0935 | 1.1 | .3 |
| WE | 1435 | 2.9 | .9 | TH | 1525 | 2.4 | .7 |
| ME | 2025 | 1.3 | .4 | JE | 2015 | 1.9 | .6 |
| 4 | 0245 | 4.0 | 1.2 | 19 | 0240 | 3.9 | 1.2 |
| | 0940 | .8 | .2 | | 1020 | .9 | .3 |
| TH | 1545 | 2.6 | .8 | FR | 1620 | 2.3 | .7 |
| JE | 2105 | 1.4 | .4 | VE | 2050 | 1.8 | .5 |
| 5 | 0330 | 4.5 | 1.4 | 20 | 0320 | 4.2 | 1.3 |
| | 1045 | .3 | .1 | | 1110 | .8 | .2 |
| FR | 1705 | 2.4 | .7 | SA | 1710 | 2.2 | .7 |
| VE | 2145 | 1.4 | .4 | SA | 2120 | 1.8 | .5 |
| 6 | 0415 | 4.9 | 1.5 | 21 | 0400 | 4.4 | 1.3 |
| | 1150 | .1 | .0 | | 1200 | .8 | .2 |
| SA | 1825 | 2.2 | .7 | SU | 1755 | 2.1 | .6 |
| SA | 2230 | 1.5 | .5 | DI | 2150 | 1.7 | .5 |
| 7 | 0500 | 5.1 | 1.6 | 22 | 0440 | 4.5 | 1.4 |
| | 1255 | .1 | .0 | | 1250 | .8 | .2 |
| SU | 1935 | 2.0 | .6 | MO | 1830 | 1.9 | .6 |
| DI | 2305 | 1.5 | .5 | LU | 2220 | 1.7 | .5 |
| 8 | 0550 | 5.2 | 1.6 | 23 | 0520 | 4.6 | 1.4 |
| | 1355 | .2 | .1 | | 1335 | .9 | .3 |
| MO | 2045 | 1.9 | .6 | TU | 1910 | 1.9 | .6 |
| LU | 2345 | 1.6 | .5 | MA | 2250 | 1.6 | .5 |
| 9 | 0635 | 5.0 | 1.5 | 24 | 0600 | 4.6 | 1.4 |
| | 1450 | .5 | .2 | | 1415 | .9 | .3 |
| TU | 2155 | 1.8 | .5 | WE | 2000 | 1.6 | .5 |
| MA | | | | ME | 2330 | 1.7 | .5 |
| 10 | 0020 | 1.7 | .5 | 25 | 0640 | 4.5 | 1.4 |
| | 0725 | 4.8 | 1.5 | | 1455 | .9 | .3 |
| WE | 1545 | .7 | .2 | TH | 2105 | 1.9 | .6 |
| ME | 2325 | 1.9 | .6 | JE | | | |
| 11 | 0100 | 1.9 | .6 | 26 | 0015 | 1.8 | .5 |
| | 0810 | 4.4 | 1.3 | | 0720 | 4.3 | 1.3 |
| TH | 1630 | 1.0 | .3 | FR | 1535 | .9 | .3 |
| JE | | | | VE | 2210 | 2.0 | .6 |
| 12 | 0040 | 2.1 | .6 | 27 | 0125 | 1.9 | .6 |
| | 0210 | 2.1 | .6 | | 0810 | 4.0 | 1.2 |
| FR | 0905 | 3.9 | 1.2 | SA | 1610 | 1.0 | .3 |
| VE | 1705 | 1.3 | .4 | SA | 2250 | 2.3 | .7 |
| 13 | 0105 | 2.3 | .7 | 28 | 0310 | 1.9 | .6 |
| | 0350 | 2.2 | .7 | | 0915 | 3.6 | 1.1 |
| SA | 1010 | 3.5 | 1.1 | SU | 1645 | 1.1 | .3 |
| SA | 1740 | 1.6 | .5 | DI | 2325 | 2.6 | .8 |
| 14 | 0110 | 2.6 | .8 | 29 | 0445 | 1.8 | .5 |
| | 0520 | 2.1 | .6 | | 1030 | 3.2 | 1.0 |
| SU | 1120 | 3.2 | 1.0 | MO | 1725 | 1.3 | .4 |
| DI | 1810 | 1.6 | .5 | LU | | | |
| 15 | 0100 | 2.8 | .9 | 30 | 0000 | 3.0 | .9 |
| | 0640 | 1.9 | .6 | | 0610 | 1.6 | .5 |
| MO | 1225 | 2.9 | .9 | TU | 1155 | 2.6 | .8 |
| LU | 1840 | 1.7 | .5 | MA | 1805 | 1.4 | .4 |
| | | | | 31 | 0040 | 3.5 | 1.1 |
| | | | | | 0725 | 1.2 | .4 |
| | | | | WE | 1315 | 2.5 | .8 |
| | | | | ME | 1845 | 1.6 | .5 |

### JUNE-JUIN

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0125 | 4.0 | 1.2 | 16 | 0130 | 3.9 | 1.2 |
| | 0835 | .9 | .3 | | 0920 | 1.2 | .4 |
| TH | 1435 | 2.3 | .7 | FR | 1450 | 2.0 | .6 |
| JE | 1930 | 1.5 | .5 | VE | 1900 | 1.7 | .5 |
| 2 | 0215 | 4.4 | 1.3 | 17 | 0215 | 4.2 | 1.3 |
| | 0945 | .8 | .2 | | 1015 | 1.1 | .3 |
| FR | 1610 | 2.1 | .6 | SA | 1545 | 1.9 | .6 |
| VE | 2020 | 1.6 | .5 | SA | 1945 | 1.6 | .5 |
| 3 | 0305 | 4.8 | 1.5 | 18 | 0300 | 4.4 | 1.3 |
| | 1050 | .4 | .1 | | 1110 | 1.0 | .3 |
| SA | 1740 | 2.0 | .6 | SU | 1640 | 1.8 | .5 |
| SA | 2105 | 1.6 | .5 | DI | 2030 | 1.6 | .5 |
| 4 | 0355 | 5.1 | 1.6 | 19 | 0345 | 4.6 | 1.4 |
| | 1155 | .3 | .1 | | 1200 | .9 | .3 |
| SU | 1845 | 1.9 | .6 | MO | 1725 | 1.8 | .5 |
| DI | 2155 | 1.5 | .5 | LU | 2115 | 1.5 | .5 |
| 5 | 0445 | 5.2 | 1.6 | 20 | 0425 | 4.7 | 1.4 |
| | 1255 | .3 | .1 | | 1240 | .8 | .2 |
| MO | 1945 | 1.9 | .6 | TU | 1815 | 1.8 | .5 |
| LU | 2235 | 1.6 | .5 | MA | 2200 | 1.5 | .5 |
| 6 | 0535 | 5.2 | 1.6 | 21 | 0510 | 4.8 | 1.5 |
| | 1350 | .4 | .1 | | 1320 | .8 | .2 |
| TU | 2045 | 1.9 | .6 | WE | 1900 | 1.9 | .6 |
| MA | 2320 | 1.7 | .5 | ME | 2250 | 1.5 | .5 |
| 7 | 0620 | 5.0 | 1.5 | 22 | 0550 | 4.7 | 1.4 |
| | 1435 | .6 | .2 | | 1355 | .7 | .2 |
| WE | 2140 | 1.9 | .6 | TH | 1945 | 2.0 | .6 |
| ME | | | | JE | 2345 | 1.6 | .5 |
| 8 | 0005 | 1.8 | .5 | 23 | 0630 | 4.4 | 1.3 |
| | 0700 | 4.6 | 1.4 | | 1425 | .8 | .2 |
| TH | 1515 | .8 | .2 | FR | 2025 | 2.2 | .7 |
| JE | 2230 | 2.1 | .6 | VE | | | |
| 9 | 0100 | 2.0 | .6 | 24 | 0050 | 1.7 | .5 |
| | 0745 | 4.2 | 1.3 | | 0720 | 4.1 | 1.2 |
| FR | 1545 | 1.1 | .3 | SA | 1455 | .9 | .3 |
| VE | 2305 | 2.2 | .7 | SA | 2100 | 2.4 | .7 |
| 10 | 0215 | 2.1 | .6 | 25 | 0210 | 1.7 | .5 |
| | 0830 | 3.7 | 1.1 | | 0810 | 3.6 | 1.1 |
| SA | 1610 | 1.3 | .4 | SU | 1530 | 1.0 | .3 |
| SA | 2315 | 2.4 | .7 | DI | 2140 | 2.7 | .8 |
| 11 | 0345 | 2.1 | .6 | 26 | 0335 | 1.6 | .5 |
| | 0920 | 3.2 | 1.0 | | 0910 | 3.1 | .9 |
| SU | 1635 | 1.5 | .5 | MO | 1605 | 1.2 | .4 |
| DI | 2305 | 2.7 | .8 | LU | 2225 | 3.1 | .9 |
| 12 | 0505 | 2.0 | .6 | 27 | 0455 | 1.6 | .5 |
| | 1025 | 2.8 | .9 | | 1025 | 2.6 | .8 |
| MO | 1700 | 1.6 | .5 | TU | 1640 | 1.4 | .4 |
| LU | 2330 | 3.0 | .9 | MA | 2315 | 3.4 | 1.0 |
| 13 | 0620 | 1.7 | .5 | 28 | 0610 | 1.3 | .4 |
| | 1135 | 2.6 | .8 | | 1150 | 2.3 | .7 |
| TU | 1720 | 1.7 | .5 | WE | 1715 | 1.6 | .5 |
| MA | | | | ME | | | |
| 14 | 0005 | 3.3 | 1.0 | 29 | 0010 | 3.8 | 1.2 |
| | 0725 | 1.6 | .5 | | 0725 | 1.1 | .3 |
| WE | 1240 | 2.3 | .7 | TH | 1320 | 2.0 | .6 |
| ME | 1750 | 1.8 | .5 | JE | 1800 | 1.5 | .5 |
| 15 | 0045 | 3.6 | 1.1 | 30 | 0105 | 4.2 | 1.3 |
| | 0825 | 1.3 | .4 | | 0840 | .9 | .3 |
| TH | 1345 | 2.1 | .6 | FR | 1510 | 1.8 | .5 |
| JE | 1825 | 1.7 | .5 | VE | 1850 | 1.5 | .5 |

V-2

# ESCUMINAC (AST/HNE)



1989

## JULY-JUILLET

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0200 | 4.5 | 1.4 | 16 | 0155 | 4.3 | 1.3 |
| | 0950 | .8 | .2 | | 1015 | 1.2 | .4 |
| SA | 1635 | 1.6 | .5 | SU | 1500 | 1.6 | .5 |
| SA | 1945 | 1.5 | .5 | DI | 1900 | 1.4 | .4 |
| 2 | 0255 | 4.8 | 1.5 | 17 | 0240 | 4.5 | 1.4 |
| | 1055 | .7 | .2 | | 1100 | 1.0 | .3 |
| SU | 1740 | 1.8 | .5 | MO | 1600 | 1.7 | .5 |
| DI | 2040 | 1.5 | .5 | LU | 2000 | 1.4 | .4 |
| 3 | 0350 | 5.0 | 1.5 | 18 | 0325 | 4.7 | 1.4 |
| | 1155 | .6 | .2 | | 1140 | .9 | .3 |
| MO | 1835 | 1.8 | .5 | TU | 1650 | 1.7 | .5 |
| LU | 2135 | 1.5 | .5 | MA | 2100 | 1.3 | .4 |
| 4 | 0435 | 5.0 | 1.5 | 19 | 0410 | 4.8 | 1.5 |
| | 1245 | .6 | .2 | | 1210 | .7 | .2 |
| TU | 1920 | 1.9 | .6 | WE | 1735 | 1.9 | .6 |
| MA | 2225 | 1.5 | .5 | ME | 2200 | 1.3 | .4 |
| 5 | 0520 | 4.9 | 1.5 | 20 | 0455 | 4.7 | 1.4 |
| | 1325 | .7 | .2 | | 1240 | .6 | .2 |
| WE | 2000 | 1.9 | .6 | TH | 1815 | 2.1 | .6 |
| ME | 2315 | 1.6 | .5 | JE | 2300 | 1.3 | .4 |
| 6 | 0605 | 4.6 | 1.4 | 21 | 0540 | 4.5 | 1.4 |
| | 1400 | .8 | .2 | | 1310 | .6 | .2 |
| TH | 2030 | 2.1 | .6 | FR | 1850 | 2.3 | .7 |
| JE | | | | VE | | | |
| 7 | 0005 | 1.7 | .5 | 22 | 0000 | 1.3 | .4 |
| | 0640 | 4.2 | 1.3 | | 0625 | 4.1 | 1.2 |
| FR | 1430 | 1.0 | .3 | SA | 1345 | .7 | .2 |
| VE | 2035 | 2.2 | .7 | SA | 1930 | 2.6 | .8 |
| 8 | 0105 | 1.8 | .5 | 23 | 0110 | 1.2 | .4 |
| | 0720 | 3.8 | 1.2 | | 0720 | 3.6 | 1.1 |
| SA | 1450 | 1.2 | .4 | SU | 1415 | .9 | .3 |
| SA | 2025 | 2.4 | .7 | DI | 2005 | 2.9 | .9 |
| 9 | 0215 | 1.8 | .5 | 24 | 0225 | 1.2 | .4 |
| | 0800 | 3.3 | 1.0 | | 0815 | 3.0 | .9 |
| SU | 1510 | 1.4 | .4 | MO | 1445 | 1.1 | .3 |
| DI | 2050 | 2.7 | .8 | LU | 2050 | 3.2 | 1.0 |
| 10 | 0325 | 1.8 | .5 | 25 | 0345 | 1.2 | .4 |
| | 0845 | 2.9 | .9 | | 0915 | 2.5 | .8 |
| MO | 1530 | 1.5 | .5 | TU | 1520 | 1.3 | .4 |
| LU | 2125 | 3.0 | .9 | MA | 2140 | 3.5 | 1.1 |
| 11 | 0440 | 1.7 | .5 | 26 | 0455 | 1.1 | .3 |
| | 0940 | 2.5 | .8 | | 1030 | 2.1 | .6 |
| TU | 1550 | 1.6 | .5 | WE | 1555 | 1.4 | .4 |
| MA | 2215 | 3.2 | 1.0 | ME | 2240 | 3.8 | 1.2 |
| 12 | 0550 | 1.6 | .5 | 27 | 0610 | 1.0 | .3 |
| | 1040 | 2.2 | .7 | | 1215 | 1.8 | .5 |
| WE | 1610 | 1.6 | .5 | TH | 1640 | 1.5 | .5 |
| ME | 2310 | 3.5 | 1.1 | JE | 2350 | 4.0 | 1.2 |
| 13 | 0700 | 1.5 | .5 | 28 | 0730 | 1.0 | .3 |
| | 1140 | 2.0 | .6 | | 1420 | 1.7 | .5 |
| TH | 1640 | 1.6 | .5 | FR | 1730 | 1.5 | .5 |
| JE | | | | VE | | | |
| 14 | 0005 | 3.7 | 1.1 | 29 | 0100 | 4.2 | 1.3 |
| | 0810 | 1.4 | .4 | | 0845 | 1.0 | .3 |
| FR | 1250 | 1.8 | .5 | SA | 1530 | 1.7 | .5 |
| VE | 1720 | 1.5 | .5 | SA | 1830 | 1.5 | .5 |
| 15 | 0105 | 4.0 | 1.2 | 30 | 0200 | 4.4 | 1.3 |
| | 0915 | 1.3 | .4 | | 0955 | .9 | .3 |
| SA | 1400 | 1.7 | .5 | SU | 1625 | 1.7 | .5 |
| SA | 1805 | 1.5 | .5 | DI | 1930 | 1.5 | .5 |
| | | | | 31 | 0250 | 4.6 | 1.4 |
| | | | | | 1050 | .9 | .3 |
| | | | | MO | 1705 | 1.8 | .5 |
| | | | | LU | 2035 | 1.4 | .4 |

## AUGUST-AOUT

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0340 | 4.6 | 1.4 | 16 | 0305 | 4.5 | 1.4 |
| | 1135 | .8 | .2 | | 1050 | .8 | .2 |
| TU | 1740 | 1.9 | .6 | WE | 1615 | 2.0 | .6 |
| MA | 2130 | 1.4 | .4 | ME | 2100 | 1.2 | .4 |
| 2 | 0425 | 4.8 | 1.4 | 17 | 0350 | 4.6 | 1.4 |
| | 1210 | .8 | .2 | | 1120 | .7 | .2 |
| WE | 1805 | 2.0 | .6 | TH | 1650 | 2.3 | .7 |
| ME | 2225 | 1.4 | .4 | JE | 2205 | 1.1 | .3 |
| 3 | 0505 | 4.4 | 1.3 | 18 | 0440 | 4.3 | 1.3 |
| | 1240 | .9 | .3 | | 1150 | .8 | .2 |
| TH | 1815 | 2.2 | .7 | FR | 1730 | 2.6 | .8 |
| JE | 2315 | 1.4 | .4 | VE | 2310 | .9 | .3 |
| 4 | 0545 | 4.1 | 1.2 | 19 | 0530 | 3.9 | 1.2 |
| | 1305 | 1.0 | .3 | | 1220 | .7 | .2 |
| FR | 1825 | 2.4 | .7 | SA | 1805 | 3.0 | .9 |
| VE | | | | SA | | | |
| 5 | 0005 | 1.4 | .4 | 20 | 0015 | .8 | .2 |
| | 0620 | 3.7 | 1.1 | | 0625 | 3.5 | 1.1 |
| SA | 1330 | 1.2 | .4 | SU | 1250 | .8 | .2 |
| SA | 1840 | 2.6 | .8 | DI | 1845 | 3.4 | 1.0 |
| 6 | 0100 | 1.4 | .4 | 21 | 0120 | .7 | .2 |
| | 0700 | 3.3 | 1.0 | | 0720 | 3.0 | .9 |
| SU | 1350 | 1.3 | .4 | MO | 1325 | 1.0 | .3 |
| DI | 1905 | 2.8 | .9 | LU | 1925 | 3.6 | 1.1 |
| 7 | 0200 | 1.4 | .4 | 22 | 0235 | .7 | .2 |
| | 0740 | 2.9 | .9 | | 0820 | 2.5 | .8 |
| MO | 1405 | 1.5 | .5 | TU | 1355 | 1.2 | .4 |
| LU | 1940 | 3.1 | .9 | MA | 2010 | 3.8 | 1.2 |
| 8 | 0305 | 1.4 | .4 | 23 | 0345 | .7 | .2 |
| | 0815 | 2.5 | .8 | | 0930 | 2.0 | .6 |
| TU | 1415 | 1.5 | .5 | WE | 1435 | 1.3 | .4 |
| MA | 2020 | 3.3 | 1.0 | ME | 2110 | 3.9 | 1.2 |
| 9 | 0410 | 1.4 | .4 | 24 | 0455 | .8 | .2 |
| | 0855 | 2.1 | .6 | | 1115 | 1.7 | .5 |
| WE | 1430 | 1.5 | .5 | TH | 1515 | 1.4 | .4 |
| ME | 2115 | 3.4 | 1.0 | JE | 2220 | 4.0 | 1.2 |
| 10 | 0520 | 1.5 | .5 | 25 | 0610 | 1.0 | .3 |
| | 0935 | 1.9 | .6 | | 1325 | 1.6 | .5 |
| TH | 1450 | 1.5 | .5 | FR | 1610 | 1.5 | .5 |
| JE | 2220 | 3.6 | 1.1 | VE | 2340 | 4.1 | 1.2 |
| 11 | 0635 | 1.5 | .5 | 26 | 0730 | 1.0 | .3 |
| | 1030 | 1.7 | .5 | | 1435 | 1.7 | .5 |
| FR | 1525 | 1.4 | .4 | SA | 1715 | 1.5 | .5 |
| VE | 2325 | 3.8 | 1.2 | SA | | | |
| 12 | 0755 | 1.4 | .4 | 27 | 0055 | 4.1 | 1.2 |
| | 1150 | 1.5 | .5 | | 0845 | 1.1 | .3 |
| SA | 1620 | 1.4 | .4 | SU | 1520 | 1.6 | .5 |
| SA | | | | DI | 1825 | 1.5 | .5 |
| 13 | 0030 | 4.0 | 1.2 | 28 | 0155 | 4.2 | 1.3 |
| | 0905 | 1.3 | .4 | | 0935 | 1.1 | .3 |
| SU | 1330 | 1.5 | .5 | MO | 1550 | 1.9 | .6 |
| DI | 1725 | 1.3 | .4 | LU | 1935 | 1.5 | .5 |
| 14 | 0125 | 4.3 | 1.3 | 29 | 0240 | 4.2 | 1.3 |
| | 0950 | 1.1 | .3 | | 1015 | 1.1 | .3 |
| MO | 1440 | 1.6 | .5 | TU | 1610 | 2.1 | .6 |
| LU | 1835 | 1.3 | .4 | MA | 2035 | 1.4 | .4 |
| 15 | 0215 | 4.5 | 1.4 | 30 | 0325 | 4.1 | 1.2 |
| | 1020 | .9 | .3 | | 1045 | 1.1 | .3 |
| TU | 1530 | 1.7 | .5 | WE | 1625 | 2.3 | .7 |
| MA | 1950 | 1.3 | .4 | ME | 2135 | 1.3 | .4 |
| | | | | 31 | 0405 | 4.0 | 1.2 |
| | | | | | 1115 | 1.1 | .3 |
| | | | | TH | 1640 | 2.5 | .8 |
| | | | | JE | 2225 | 1.2 | .4 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht /ft | Ht /m | Jour | Heure | H /pi | H /m |
|---|---|---|---|---|---|---|---|
| 1 | 0445 | 3.8 | 1.2 | 16 | 0425 | 3.7 | 1.1 |
| | 1140 | 1.2 | .4 | | 1055 | .8 | .2 |
| FR | 1700 | 2.7 | .8 | SA | 1645 | 3.4 | 1.0 |
| VE | 2315 | 1.1 | .3 | SA | 2315 | .5 | .2 |
| 2 | 0525 | 3.5 | 1.1 | 17 | 0525 | 3.3 | 1.0 |
| | 1205 | 1.3 | .4 | | 1125 | .9 | .3 |
| SA | 1720 | 2.9 | .9 | SU | 1725 | 3.9 | 1.2 |
| SA | | | | DI | | | |
| 3 | 0000 | 1.0 | .3 | 18 | 0020 | .3 | .1 |
| | 0605 | 3.2 | 1.0 | | 0625 | 2.8 | .9 |
| SU | 1225 | 1.4 | .4 | MO | 1200 | 1.0 | .3 |
| DI | 1750 | 3.2 | 1.0 | LU | 1810 | 4.2 | 1.3 |
| 4 | 0050 | 1.0 | .3 | 19 | 0125 | .3 | .1 |
| | 0640 | 2.8 | .9 | | 0725 | 2.4 | .7 |
| MO | 1240 | 1.5 | .5 | TU | 1235 | 1.2 | .4 |
| LU | 1820 | 3.4 | 1.0 | MA | 1855 | 4.4 | 1.3 |
| 5 | 0145 | 1.1 | .3 | 20 | 0235 | .4 | .1 |
| | 0715 | 2.5 | .8 | | 0840 | 2.0 | .6 |
| TU | 1250 | 1.5 | .5 | WE | 1310 | 1.3 | .4 |
| MA | 1855 | 3.5 | 1.1 | ME | 1945 | 4.4 | 1.3 |
| 6 | 0245 | 1.2 | .4 | 21 | 0345 | .5 | .2 |
| | 0745 | 2.1 | .6 | | 1015 | 1.7 | .5 |
| WE | 1255 | 1.5 | .5 | TH | 1350 | 1.4 | .4 |
| ME | 1935 | 3.7 | 1.1 | JE | 2045 | 4.3 | 1.3 |
| 7 | 0350 | 1.3 | .4 | 22 | 0450 | .8 | .2 |
| | 0810 | 1.9 | .6 | | 1215 | 1.7 | .5 |
| TH | 1305 | 1.5 | .5 | FR | 1440 | 1.6 | .5 |
| JE | 2025 | 3.7 | 1.1 | VE | 2200 | 4.1 | 1.2 |
| 8 | 0455 | 1.4 | .4 | 23 | 0600 | 1.0 | .3 |
| | 0835 | 1.7 | .5 | | 1340 | 1.8 | .5 |
| FR | 1320 | 1.4 | .4 | SA | 1550 | 1.7 | .5 |
| VE | 2125 | 3.8 | 1.2 | SA | 2325 | 4.0 | 1.2 |
| 9 | 0600 | 1.4 | .4 | 24 | 0710 | 1.1 | .3 |
| | 0920 | 1.5 | .5 | | 1420 | 1.9 | .6 |
| SA | 1340 | 1.4 | .4 | SU | 1710 | 1.7 | .5 |
| SA | 2240 | 3.9 | 1.2 | DI | | | |
| 10 | 0710 | 1.3 | .4 | 25 | 0040 | 3.9 | 1.2 |
| | 1205 | 1.5 | .5 | | 0805 | 1.2 | .4 |
| SU | 1520 | 1.5 | .5 | MO | 1445 | 2.1 | .6 |
| DI | 2350 | 4.0 | 1.2 | LU | 1830 | 1.7 | .5 |
| 11 | 0805 | 1.2 | .4 | 26 | 0135 | 3.8 | 1.2 |
| | 1345 | 1.6 | .5 | | 0845 | 1.3 | .4 |
| MO | 1710 | 1.5 | .5 | TU | 1500 | 2.4 | .7 |
| LU | | | | MA | 1940 | 1.5 | .5 |
| 12 | 0050 | 4.1 | 1.2 | 27 | 0220 | 3.7 | 1.1 |
| | 0840 | 1.1 | .3 | | 0915 | 1.4 | .4 |
| TU | 1425 | 1.9 | .6 | WE | 1510 | 2.6 | .8 |
| MA | 1835 | 1.4 | .4 | ME | 2045 | 1.4 | .4 |
| 13 | 0145 | 4.2 | 1.3 | 28 | 0305 | 3.5 | 1.1 |
| | 0915 | .9 | .3 | | 0945 | 1.4 | .4 |
| WE | 1455 | 2.2 | .7 | TH | 1525 | 2.8 | .9 |
| ME | 1955 | 1.3 | .4 | JE | 2135 | 1.1 | .3 |
| 14 | 0235 | 4.1 | 1.2 | 29 | 0345 | 3.4 | 1.0 |
| | 0945 | .8 | .2 | | 1010 | 1.4 | .4 |
| TH | 1535 | 2.6 | .8 | FR | 1545 | 3.1 | .9 |
| JE | 2105 | 1.0 | .3 | VE | 2220 | 1.0 | .3 |
| 15 | 0330 | 4.0 | 1.2 | 30 | 0430 | 3.2 | 1.0 |
| | 1020 | .8 | .2 | | 1035 | 1.5 | .5 |
| FR | 1610 | 3.0 | .9 | SA | 1610 | 3.3 | 1.0 |
| VE | 2210 | .7 | .2 | SA | 2305 | .8 | .2 |

V-2

# TABLE DES MARÉES

# ESCUMINAC (HNA 2+4)

1989

## OCTOBER-OCTOBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H/pi | H/m |
|---|---|---|---|---|---|---|---|
| 1 | 0510 | 3.0 | .9 | 16 | 0525 | 2.6 | .8 |
| | 1100 | 1.6 | .5 | | 1040 | 1.2 | .4 |
| SU | 1640 | 3.5 | 1.1 | MO | 1655 | 4.7 | 1.4 |
| DI | 2355 | .8 | .2 | LU | | | |
| 2 | 0550 | 2.7 | .8 | 17 | 0020 | .1 | 0 |
| | 1120 | 1.6 | .5 | | 0635 | 2.3 | .7 |
| MO | 1710 | 3.7 | 1.1 | TU | 1115 | 1.3 | .4 |
| LU | | | | MA | 1740 | 4.9 | 1.5 |
| 3 | 0040 | .8 | .2 | 18 | 0130 | .1 | 0 |
| | 0630 | 2.4 | .7 | | 0750 | 2.0 | .6 |
| TU | 1130 | 1.6 | .5 | WE | 1150 | 1.4 | .4 |
| MA | 1745 | 3.9 | 1.2 | ME | 1830 | 5.0 | 1.5 |
| 4 | 0130 | .9 | .3 | 19 | 0235 | .3 | .1 |
| | 0655 | 2.1 | .6 | | 0910 | 1.8 | .5 |
| WE | 1140 | 1.6 | .5 | TH | 1230 | 1.5 | .5 |
| ME | 1820 | 4.0 | 1.2 | JE | 1920 | 4.8 | 1.5 |
| 5 | 0230 | 1.1 | .3 | 20 | 0335 | .5 | .2 |
| | 0720 | 1.9 | .6 | | 1045 | 1.7 | .5 |
| TH | 1150 | 1.5 | .5 | FR | 1310 | 1.6 | .5 |
| JE | 1900 | 4.0 | 1.2 | VE | 2020 | 4.5 | 1.4 |
| 6 | 0325 | 1.2 | .4 | 21 | 0435 | .8 | .2 |
| | 0740 | 1.7 | .5 | | 1220 | 1.9 | .6 |
| FR | 1200 | 1.5 | .5 | SA | 1415 | 1.8 | .5 |
| VE | 1945 | 4.0 | 1.2 | SA | 2130 | 4.1 | 1.2 |
| 7 | 0420 | 1.3 | .4 | 22 | 0530 | 1.1 | .3 |
| | 0805 | 1.6 | .5 | | 1320 | 2.1 | .6 |
| SA | 1200 | 1.5 | .5 | SU | 1545 | 2.0 | .6 |
| SA | 2035 | 4.0 | 1.2 | DI | 2255 | 3.8 | 1.2 |
| 8 | 0515 | 1.3 | .4 | 23 | 0620 | 1.3 | .4 |
| | 0930 | 1.6 | .5 | | 1345 | 2.3 | .7 |
| SU | 1145 | 1.6 | .5 | MO | 1715 | 2.0 | .6 |
| DI | 2145 | 3.9 | 1.2 | LU | | | |
| 9 | 0600 | 1.3 | .4 | 24 | 0005 | 3.5 | 1.1 |
| | 1335 | 1.8 | .5 | | 0700 | 1.5 | .5 |
| MO | 1510 | 1.7 | .5 | TU | 1400 | 2.6 | .8 |
| LU | 2300 | 3.8 | 1.2 | MA | 1840 | 1.8 | .5 |
| 10 | 0645 | 1.2 | .4 | 25 | 0105 | 3.3 | 1.0 |
| | 1320 | 2.0 | .6 | | 0735 | 1.6 | .5 |
| TU | 1715 | 1.7 | .5 | WE | 1405 | 2.8 | .9 |
| MA | | | | ME | 1945 | 1.6 | .5 |
| 11 | 0010 | 3.8 | 1.2 | 26 | 0155 | 3.1 | .9 |
| | 0725 | 1.1 | .3 | | 0805 | 1.6 | .5 |
| WE | 1345 | 2.4 | .7 | TH | 1415 | 3.1 | .9 |
| ME | 1845 | 1.5 | .5 | JE | 2040 | 1.3 | .4 |
| 12 | 0115 | 3.7 | 1.1 | 27 | 0245 | 3.0 | .9 |
| | 0805 | 1.1 | .3 | | 0835 | 1.7 | .5 |
| TH | 1415 | 2.8 | .9 | FR | 1435 | 3.4 | 1.0 |
| JE | 2000 | 1.2 | .4 | VE | 2130 | 1.1 | .3 |
| 13 | 0215 | 3.5 | 1.1 | 28 | 0330 | 2.8 | .9 |
| | 0845 | 1.1 | .3 | | 0905 | 1.7 | .5 |
| FR | 1450 | 3.3 | 1.0 | SA | 1500 | 3.6 | 1.1 |
| VE | 2110 | .8 | .2 | SA | 2215 | .9 | .3 |
| 14 | 0315 | 3.2 | 1.0 | 29 | 0415 | 2.7 | .8 |
| | 0925 | 1.1 | .3 | | 0935 | 1.8 | .5 |
| SA | 1530 | 3.8 | 1.2 | SU | 1530 | 3.9 | 1.2 |
| SA | 2215 | .6 | .2 | DI | 2300 | .8 | .2 |
| 15 | 0420 | 2.9 | .9 | 30 | 0500 | 2.5 | .8 |
| | 1000 | 1.1 | .3 | | 1000 | 1.6 | .5 |
| SU | 1610 | 4.3 | 1.3 | MO | 1605 | 4.1 | 1.2 |
| DI | 2320 | .2 | .1 | LU | 2345 | .8 | .2 |
| | | | | 31 | 0540 | 2.4 | .7 |
| | | | | | 1020 | 1.6 | .5 |
| | | | | TU | 1640 | 4.2 | 1.3 |
| | | | | MA | | | |

## NOVEMBER-NOVEMBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H/pi | H/m |
|---|---|---|---|---|---|---|---|
| 1 | 0035 | .8 | .2 | 16 | 0130 | .2 | .1 |
| | 0615 | 2.1 | .6 | | 0810 | 1.9 | .6 |
| WE | 1035 | 1.7 | .5 | TH | 1120 | 1.6 | .5 |
| ME | 1720 | 4.3 | 1.3 | JE | 1815 | 5.3 | 1.6 |
| 2 | 0125 | .9 | .3 | 17 | 0225 | .4 | .1 |
| | 0640 | 2.0 | .6 | | 0920 | 1.9 | .6 |
| TH | 1055 | 1.6 | .5 | FR | 1205 | 1.6 | .5 |
| JE | 1755 | 4.4 | 1.3 | VE | 1905 | 4.9 | 1.5 |
| 3 | 0215 | 1.1 | .3 | 18 | 0315 | .8 | .2 |
| | 0700 | 1.8 | .5 | | 1035 | 2.0 | .6 |
| FR | 1110 | 1.6 | .5 | SA | 1255 | 1.8 | .5 |
| VE | 1835 | 4.4 | 1.3 | SA | 1955 | 4.5 | 1.4 |
| 4 | 0300 | 1.2 | .4 | 19 | 0405 | .9 | .3 |
| | 0730 | 1.8 | .5 | | 1145 | 2.2 | .7 |
| SA | 1120 | 1.6 | .5 | SU | 1415 | 2.0 | .6 |
| SA | 1915 | 4.2 | 1.3 | DI | 2050 | 4.0 | 1.2 |
| 5 | 0345 | 1.2 | .4 | 20 | 0445 | 1.2 | .4 |
| | 0820 | 1.8 | .5 | | 1230 | 2.4 | .7 |
| SU | 1130 | 1.7 | .5 | MO | 1545 | 2.1 | .6 |
| DI | 2000 | 4.1 | 1.2 | LU | 2155 | 3.5 | 1.1 |
| 6 | 0425 | 1.2 | .4 | 21 | 0515 | 1.4 | .4 |
| | 1150 | 1.9 | .6 | | 1250 | 2.7 | .8 |
| MO | 1225 | 1.9 | .6 | TU | 1715 | 2.1 | .6 |
| LU | 2100 | 3.8 | 1.2 | MA | 2310 | 3.1 | .9 |
| 7 | 0505 | 1.2 | .4 | 22 | 0545 | 1.6 | .5 |
| | 1200 | 2.2 | .7 | | 1255 | 2.9 | .9 |
| TU | 1545 | 2.0 | .6 | WE | 1835 | 1.9 | .6 |
| MA | 2215 | 3.6 | 1.1 | ME | | | |
| 8 | 0540 | 1.2 | .4 | 23 | 0020 | 2.8 | .9 |
| | 1225 | 2.5 | .8 | | 0620 | 1.7 | .5 |
| WE | 1730 | 1.8 | .5 | TH | 1305 | 3.2 | 1.0 |
| ME | 2335 | 3.3 | 1.0 | JE | 1940 | 1.6 | .5 |
| 9 | 0625 | 1.3 | .4 | 24 | 0120 | 2.6 | .8 |
| | 1255 | 3.0 | .9 | | 0650 | 1.8 | .5 |
| TH | 1855 | 1.5 | .5 | FR | 1325 | 3.5 | 1.1 |
| JE | | | | VE | 2035 | 1.3 | .4 |
| 10 | 0050 | 3.0 | .9 | 25 | 0220 | 2.5 | .8 |
| | 0705 | 1.3 | .4 | | 0725 | 1.8 | .5 |
| FR | 1335 | 3.5 | 1.1 | SA | 1355 | 3.8 | 1.2 |
| VE | 2005 | 1.1 | .3 | SA | 2120 | 1.1 | .3 |
| 11 | 0200 | 2.8 | .9 | 26 | 0315 | 2.4 | .7 |
| | 0750 | 1.4 | .4 | | 0800 | 1.9 | .6 |
| SA | 1415 | 4.0 | 1.2 | SU | 1430 | 4.0 | 1.2 |
| SA | 2115 | .7 | .2 | DI | 2210 | 1.0 | .3 |
| 12 | 0310 | 2.5 | .8 | 27 | 0405 | 2.3 | .7 |
| | 0830 | 1.4 | .4 | | 0830 | 1.6 | .5 |
| SU | 1500 | 4.5 | 1.4 | MO | 1510 | 4.3 | 1.3 |
| DI | 2220 | .4 | .1 | LU | 2255 | .9 | .3 |
| 13 | 0425 | 2.3 | .7 | 28 | 0450 | 2.2 | .7 |
| | 0915 | 1.4 | .4 | | 0900 | 1.6 | .5 |
| MO | 1545 | 5.0 | 1.5 | TU | 1545 | 4.6 | 1.4 |
| LU | 2320 | .2 | .1 | MA | 2345 | .9 | .3 |
| 14 | 0545 | 2.1 | .6 | 29 | 0530 | 2.1 | .6 |
| | 0955 | 1.4 | .4 | | 0930 | 1.7 | .5 |
| TU | 1635 | 5.3 | 1.6 | WE | 1625 | 4.8 | 1.4 |
| MA | | | | ME | | | |
| 15 | 0025 | .1 | .0 | 30 | 0035 | .9 | .3 |
| | 0700 | 2.0 | .6 | | 0605 | 2.0 | .6 |
| WE | 1035 | 1.4 | .4 | TH | 1000 | 1.7 | .5 |
| ME | 1725 | 5.4 | 1.6 | JE | 1705 | 4.7 | 1.4 |

## DECEMBER-DECEMBRE

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H/pi | H/m |
|---|---|---|---|---|---|---|---|
| 1 | 0120 | 1.0 | .3 | 16 | 0205 | .6 | .2 |
| | 0635 | 1.9 | .6 | | 0855 | 2.0 | .6 |
| FR | 1025 | 1.6 | .5 | SA | 1155 | 1.8 | .5 |
| VE | 1740 | 4.7 | 1.4 | SA | 1845 | 4.8 | 1.5 |
| 2 | 0200 | 1.0 | .3 | 17 | 0245 | .7 | .2 |
| | 0705 | 1.9 | .6 | | 0945 | 2.2 | .7 |
| SA | 1100 | 1.7 | .5 | SU | 1255 | 1.9 | .6 |
| SA | 1815 | 4.5 | 1.4 | DI | 1925 | 4.3 | 1.3 |
| 3 | 0230 | 1.0 | .3 | 18 | 0315 | 1.0 | .3 |
| | 0745 | 1.9 | .6 | | 1025 | 2.4 | .7 |
| SU | 1140 | 1.8 | .5 | MO | 1415 | 2.1 | .6 |
| DI | 1855 | 4.3 | 1.3 | LU | 2010 | 3.7 | 1.1 |
| 4 | 0305 | 1.1 | .3 | 19 | 0345 | 1.3 | .4 |
| | 0845 | 2.1 | .6 | | 1050 | 2.6 | .8 |
| MO | 1245 | 1.9 | .6 | TU | 1535 | 2.1 | .6 |
| LU | 1935 | 4.0 | 1.2 | MA | 2055 | 3.2 | 1.0 |
| 5 | 0335 | 1.1 | .3 | 20 | 0410 | 1.5 | .5 |
| | 0950 | 2.3 | .7 | | 1100 | 2.9 | .9 |
| TU | 1420 | 2.0 | .6 | WE | 1700 | 2.0 | .6 |
| MA | 2030 | 3.6 | 1.1 | ME | 2155 | 2.7 | .8 |
| 6 | 0410 | 1.2 | .4 | 21 | 0430 | 1.6 | .5 |
| | 1040 | 2.6 | .8 | | 1120 | 3.2 | 1.0 |
| WE | 1610 | 2.0 | .6 | TH | 1815 | 1.8 | .5 |
| ME | 2140 | 3.1 | .9 | JE | 2305 | 2.4 | .7 |
| 7 | 0445 | 1.3 | .4 | 22 | 0455 | 1.7 | .5 |
| | 1125 | 3.0 | .9 | | 1155 | 3.5 | 1.1 |
| TH | 1740 | 1.7 | .5 | FR | 1925 | 1.8 | .5 |
| JE | 2305 | 2.7 | .8 | VE | | | |
| 8 | 0525 | 1.4 | .4 | 23 | 0025 | 2.2 | .7 |
| | 1210 | 3.6 | 1.1 | | 0525 | 1.8 | .5 |
| FR | 1900 | 1.4 | .4 | SA | 1240 | 3.8 | 1.2 |
| VE | | | | SA | 2025 | 1.4 | .4 |
| 9 | 0030 | 2.4 | .7 | 24 | 0145 | 2.0 | .6 |
| | 0610 | 1.5 | .5 | | 0600 | 1.8 | .5 |
| SA | 1300 | 4.0 | 1.2 | SU | 1325 | 4.0 | 1.2 |
| SA | 2010 | 1.0 | .3 | DI | 2120 | 1.2 | .4 |
| 10 | 0200 | 2.2 | .7 | 25 | 0255 | 2.0 | .6 |
| | 0655 | 1.5 | .5 | | 0640 | 1.7 | .5 |
| SU | 1350 | 4.5 | 1.4 | MO | 1410 | 4.3 | 1.3 |
| DI | 2120 | .7 | .2 | LU | 2215 | 1.1 | .3 |
| 11 | 0335 | 2.0 | .6 | 26 | 0350 | 1.9 | .6 |
| | 0745 | 1.5 | .5 | | 0725 | 1.7 | .5 |
| MO | 1440 | 4.9 | 1.5 | TU | 1450 | 4.5 | 1.4 |
| LU | 2225 | .4 | .1 | MA | 2305 | 1.0 | .3 |
| 12 | 0505 | 1.9 | .6 | 27 | 0435 | 1.9 | .6 |
| | 0835 | 1.6 | .5 | | 0810 | 1.6 | .5 |
| TU | 1535 | 5.3 | 1.6 | WE | 1535 | 4.7 | 1.4 |
| MA | 2330 | .3 | .1 | ME | 2350 | .9 | .3 |
| 13 | 0615 | 1.9 | .6 | 28 | 0515 | 1.8 | .5 |
| | 0925 | 1.6 | .5 | | 0855 | 1.6 | .5 |
| WE | 1625 | 5.5 | 1.7 | TH | 1610 | 4.8 | 1.5 |
| ME | | | | JE | | | |
| 14 | 0030 | .3 | .1 | 29 | 0030 | .9 | .3 |
| | 0715 | 1.9 | .6 | | 0555 | 1.9 | .6 |
| TH | 1015 | 1.6 | .5 | FR | 0940 | 1.6 | .5 |
| JE | 1715 | 5.4 | 1.6 | VE | 1650 | 4.8 | 1.5 |
| 15 | 0120 | .3 | .1 | 30 | 0100 | .8 | .2 |
| | 0805 | 1.8 | .6 | | 0625 | 1.9 | .6 |
| FR | 1105 | 1.6 | .5 | SA | 1025 | 1.6 | .5 |
| VE | 1800 | 5.2 | 1.6 | SA | 1725 | 4.7 | 1.4 |
| | | | | 31 | 0125 | .8 | .2 |
| | | | | | 0700 | 2.1 | .6 |
| | | | | SU | 1120 | 1.8 | .5 |
| | | | | DI | 1805 | 4.8 | 1.4 |

# POINTE-SAINT-PIERRE (EST Z+5)



1989

## JANUARY-JANVIER

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0130 | 1.6 | .5 | 16 | 0200 | 1.3 | .4 |
| | 0820 | 3.5 | 1.1 | | 0905 | 4.2 | 1.3 |
| SU | 1500 | 2.0 | .6 | MO | 1615 | 1.4 | .4 |
| DI | 1945 | 2.6 | .8 | LU | 2130 | 2.3 | .7 |
| 2 | 0210 | 1.5 | .5 | 17 | 0245 | 1.3 | .4 |
| | 0925 | 3.8 | 1.2 | | 1015 | 4.5 | 1.4 |
| MO | 1635 | 1.9 | .6 | TU | 1745 | 1.2 | .4 |
| LU | 2050 | 2.3 | .7 | MA | 2250 | 2.0 | .6 |
| 3 | 0255 | 1.4 | .4 | 18 | 0340 | 1.2 | .4 |
| | 1030 | 4.1 | 1.2 | | 1120 | 4.8 | 1.5 |
| TU | 1755 | 1.7 | .5 | WE | 1855 | 1.0 | .3 |
| MA | 2205 | 2.1 | .6 | ME | | | |
| 4 | 0345 | 1.2 | .4 | 19 | 0005 | 1.9 | .6 |
| | 1120 | 4.5 | 1.4 | | 0440 | 1.1 | .3 |
| WE | 1850 | 1.4 | .4 | TH | 1215 | 4.9 | 1.5 |
| ME | 2325 | 2.0 | .6 | JE | 1945 | .8 | .2 |
| 5 | 0440 | 1.1 | .3 | 20 | 0105* | 2.0 | .6 |
| | 1210 | 4.8 | 1.5 | | 0535 | 1.1 | .3 |
| TH | 1935 | 1.0 | .3 | FR | 1300 | 5.0 | 1.5 |
| JE | | | | VE | 2020 | .6 | .2 |
| 6 | 0035 | 2.0 | .6 | 21 | 0150 | 2.1 | .6 |
| | 0535 | 1.0 | .3 | | 0630 | 1.0 | .3 |
| FR | 1250 | 5.0 | 1.5 | SA | 1340 | 5.0 | 1.5 |
| VE | 2010 | .7 | .2 | SA | 2050 | .5 | .2 |
| 7 | 0130 | 2.1 | .6 | 22 | 0230 | 2.3 | .7 |
| | 0625 | .9 | .3 | | 0720 | 1.0 | .3 |
| SA | 1335 | 5.2 | 1.6 | SU | 1420 | 4.8 | 1.5 |
| SA | 2050 | .4 | .1 | DI | 2120 | .5 | .2 |
| 8 | 0220 | 2.3 | .7 | 23 | 0305 | 2.5 | .8 |
| | 0720 | .9 | .3 | | 0810 | 1.0 | .3 |
| SU | 1415 | 5.2 | 1.6 | MO | 1455 | 4.6 | 1.4 |
| DI | 2125 | .3 | .1 | LU | 2150 | .8 | .2 |
| 9 | 0305 | 2.5 | .8 | 24 | 0335 | 2.7 | .8 |
| | 0810 | .8 | .2 | | 0855 | 1.0 | .3 |
| MO | 1500 | 5.1 | 1.6 | TU | 1530 | 4.4 | 1.3 |
| LU | 2205 | .3 | .1 | MA | 2220 | .8 | .2 |
| 10 | 0345 | 2.7 | .8 | 25 | 0405 | 2.9 | .9 |
| | 0905 | .8 | .2 | | 0935 | 1.1 | .3 |
| TU | 1545 | 5.0 | 1.5 | WE | 1605 | 4.1 | 1.2 |
| MA | 2240 | .5 | .2 | ME | 2245 | 1.0 | .3 |
| 11 | 0425 | 2.9 | .9 | 26 | 0430 | 3.0 | .9 |
| | 0955 | .8 | .2 | | 1020 | 1.2 | .4 |
| WE | 1635 | 4.6 | 1.4 | TH | 1640 | 3.8 | 1.2 |
| ME | 2320 | .7 | .2 | JE | 2305 | 1.2 | .4 |
| 12 | 0505 | 3.1 | .9 | 27 | 0500 | 3.2 | 1.0 |
| | 1055 | .8 | .2 | | 1105 | 1.4 | .4 |
| TH | 1725 | 4.2 | 1.3 | FR | 1705 | 3.4 | 1.0 |
| JE | 2355 | 1.0 | .3 | VE | 2330 | 1.3 | .4 |
| 13 | 0550 | 3.4 | 1.0 | 28 | 0540 | 3.4 | 1.0 |
| | 1200 | 1.0 | .3 | | 1200 | 1.6 | .5 |
| FR | 1815 | 3.7 | 1.1 | SA | 1730 | 3.0 | .9 |
| VE | | | | SA | 2350 | 1.3 | .4 |
| 14 | 0035 | 1.2 | .4 | 29 | 0625 | 3.5 | 1.1 |
| | 0645 | 3.8 | 1.1 | | 1305 | 1.6 | .5 |
| SA | 1310 | 1.2 | .4 | SU | 1755 | 2.7 | .8 |
| SA | 1910 | 3.2 | 1.0 | DI | | | |
| 15 | 0115 | 1.3 | .4 | 30 | 0020 | 1.3 | .4 |
| | 0750 | 3.9 | 1.2 | | 0725 | 3.7 | 1.1 |
| SU | 1440 | 1.4 | .4 | MO | 1430 | 1.9 | .6 |
| DI | 2015 | 2.7 | .8 | LU | 1830 | 2.3 | .7 |
| | | | | 31 | 0055 | 1.2 | .4 |
| | | | | | 0835 | 3.9 | 1.2 |
| | | | | TU | 1615 | 1.8 | .5 |
| | | | | MA | 1925 | 2.0 | .6 |

## FEBRUARY-FEVRIER

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0145 | 1.1 | .3 | 16 | 0310 | 1.2 | .4 |
| | 0940 | 4.1 | 1.2 | | 1105 | 4.4 | 1.3 |
| WE | 1735 | 1.5 | .5 | TH | 1845 | .9 | .3 |
| ME | 2115 | 1.7 | .5 | JE | | | |
| 2 | 0250 | 1.1 | .3 | 17 | 0015 | 1.8 | .5 |
| | 1040 | 4.3 | 1.3 | | 0425 | 1.2 | .4 |
| TH | 1825 | 1.1 | .3 | FR | 1155 | 4.4 | 1.3 |
| JE | 2310 | 1.7 | .5 | VE | 1920 | .7 | .2 |
| 3 | 0405 | 1.0 | .3 | 18 | 0100 | 2.0 | .6 |
| | 1135 | 4.5 | 1.4 | | 0535 | 1.1 | .3 |
| FR | 1905 | .7 | .2 | SA | 1245 | 4.4 | 1.3 |
| VE | | | | SA | 1950 | .6 | .2 |
| 4 | 0020 | 1.0 | .6 | 19 | 0135 | 2.3 | .7 |
| | 0515 | .9 | .3 | | 0630 | 1.0 | .3 |
| SA | 1225 | 4.7 | 1.4 | SU | 1325 | 4.3 | 1.3 |
| SA | 1940 | .4 | .1 | DI | 2015 | .6 | .2 |
| 5 | 0110 | 2.2 | .7 | 20 | 0205 | 2.6 | .8 |
| | 0615 | .7 | .2 | | 0720 | .9 | .3 |
| SU | 1315 | 4.8 | 1.5 | MO | 1400 | 4.2 | 1.3 |
| DI | 2015 | .2 | .1 | LU | 2040 | .6 | .2 |
| 6 | 0155 | 2.5 | .8 | 21 | 0230 | 2.8 | .9 |
| | 0715 | .5 | .2 | | 0805 | .8 | .2 |
| MO | 1400 | 4.9 | 1.5 | TU | 1440 | 4.0 | 1.2 |
| LU | 2050 | .2 | .1 | MA | 2105 | .8 | .2 |
| 7 | 0230 | 2.8 | .9 | 22 | 0255 | 3.0 | .9 |
| | 0810 | .3 | .1 | | 0845 | .8 | .2 |
| TU | 1450 | 4.8 | 1.5 | WE | 1510 | 3.8 | 1.2 |
| MA | 2125 | .3 | .1 | ME | 2130 | .9 | .3 |
| 8 | 0310 | 3.1 | .9 | 23 | 0320 | 3.3 | 1.0 |
| | 0900 | .2 | .1 | | 0925 | .8 | .2 |
| WE | 1535 | 4.6 | 1.4 | TH | 1540 | 3.6 | 1.1 |
| ME | 2205 | .5 | .2 | JE | 2150 | 1.1 | .3 |
| 9 | 0350 | 3.5 | 1.1 | 24 | 0350 | 3.5 | 1.1 |
| | 0955 | .2 | .1 | | 1010 | 1.0 | .3 |
| TH | 1625 | 4.2 | 1.3 | FR | 1605 | 3.3 | 1.0 |
| JE | 2240 | .8 | .2 | VE | 2210 | 1.1 | .3 |
| 10 | 0435 | 3.7 | 1.1 | 25 | 0425 | 3.7 | 1.1 |
| | 1055 | .4 | .1 | | 1050 | 1.2 | .4 |
| FR | 1710 | 3.7 | 1.1 | SA | 1630 | 3.0 | .9 |
| VE | 2315 | 1.0 | .3 | SA | 2230 | 1.1 | .3 |
| 11 | 0525 | 3.9 | 1.2 | 26 | 0500 | 3.8 | 1.2 |
| | 1155 | .7 | .2 | | 1145 | 1.5 | .5 |
| SA | 1755 | 3.2 | 1.0 | SU | 1650 | 2.6 | .8 |
| SA | 2350 | 1.1 | .3 | DI | 2250 | 1.1 | .3 |
| 12 | 0620 | 4.1 | 1.2 | 27 | 0545 | 3.8 | 1.2 |
| | 1310 | 1.1 | .3 | | 1245 | 1.6 | .5 |
| SU | 1845 | 2.6 | .8 | MO | 1710 | 2.3 | .7 |
| DI | | | | LU | 2315 | 1.1 | .3 |
| 13 | 0025 | 1.2 | .4 | 28 | 0640 | 3.9 | 1.2 |
| | 0730 | 4.2 | 1.3 | | 1410 | 1.7 | .5 |
| MO | 1445 | 1.3 | .4 | TU | 1745 | 2.0 | .6 |
| LU | 1945 | 2.1 | .6 | MA | 2350 | 1.0 | .3 |
| 14 | 0110 | 1.2 | .4 | | | | |
| | 0845 | 4.3 | 1.3 | | | | |
| TU | 1630 | 1.3 | .4 | | | | |
| MA | 2120 | 1.8 | .5 | | | | |
| 15 | 0205 | 1.3 | .4 | | | | |
| | 1000 | 4.4 | 1.3 | | | | |
| WE | 1755 | 1.1 | .3 | | | | |
| ME | 2305 | 1.7 | .5 | | | | |

## MARCH-MARS

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0740 | 3.9 | 1.2 | 16 | 0135 | 1.3 | .4 |
| | 1540 | 1.5 | .5 | | 0930 | 4.1 | 1.2 |
| WE | 1900 | 1.7 | .5 | TH | 1720 | .9 | .3 |
| ME | | | | JE | 2310 | 1.8 | .5 |
| 2 | 0045 | 1.1 | .3 | 17 | 0305 | 1.4 | .4 |
| | 0850 | 3.9 | 1.2 | | 1035 | 4.0 | 1.2 |
| TH | 1655 | 1.2 | .4 | FR | 1805 | .8 | .2 |
| JE | 2120 | 1.6 | .5 | VE | | | |
| 3 | 0210 | 1.2 | .4 | 18 | 0000 | 2.1 | .6 |
| | 1000 | 4.0 | 1.2 | | 0430 | 1.3 | .4 |
| FR | 1740 | .8 | .2 | SA | 1135 | 3.8 | 1.2 |
| VE | 2305 | 1.8 | .5 | SA | 1835 | .8 | .2 |
| 4 | 0345 | 1.1 | .3 | 19 | 0035 | 2.4 | .7 |
| | 1100 | 4.1 | 1.2 | | 0535 | 1.2 | .4 |
| SA | 1820 | .5 | .2 | SU | 1220 | 3.7 | 1.1 |
| SA | | | | DI | 1900 | .7 | .2 |
| 5 | 0000 | 2.1 | .6 | 20 | 0100 | 2.7 | .8 |
| | 0505 | .8 | .2 | | 0630 | .9 | .3 |
| SU | 1200 | 4.3 | 1.3 | MO | 1305 | 3.7 | 1.1 |
| DI | 1855 | .4 | .1 | LU | 1925 | .8 | .2 |
| 6 | 0040 | 2.5 | .8 | 21 | 0125 | 3.0 | .9 |
| | 0610 | .5 | .2 | | 0715 | .8 | .2 |
| MO | 1255 | 4.4 | 1.3 | TU | 1340 | 3.6 | 1.1 |
| LU | 1935 | .3 | .1 | MA | 1950 | .9 | .3 |
| 7 | 0120 | 2.9 | .9 | 22 | 0150 | 3.3 | 1.0 |
| | 0710 | .1 | .0 | | 0755 | .7 | .2 |
| TU | 1345 | 4.4 | 1.3 | WE | 1415 | 3.4 | 1.0 |
| MA | 2010 | .4 | .1 | ME | 2015 | 1.0 | .3 |
| 8 | 0200 | 3.4 | 1.0 | 23 | 0220 | 3.5 | 1.1 |
| | 0805 | -.1 | .0 | | 0835 | .6 | .2 |
| WE | 1435 | 4.3 | 1.3 | TH | 1445 | 3.3 | 1.0 |
| ME | 2045 | .5 | .2 | JE | 2035 | 1.0 | .3 |
| 9 | 0240 | 3.8 | 1.2 | 24 | 0250 | 3.8 | 1.2 |
| | 0855 | -.2 | -.1 | | 0920 | .8 | .2 |
| TH | 1520 | 4.0 | 1.2 | FR | 1510 | 3.1 | .9 |
| JE | 2120 | .7 | .2 | VE | 2100 | 1.0 | .3 |
| 10 | 0320 | 4.1 | 1.2 | 25 | 0320 | 4.0 | 1.2 |
| | 0950 | .0 | .0 | | 1000 | .9 | .3 |
| FR | 1605 | 3.6 | 1.1 | SA | 1535 | 2.8 | .9 |
| VE | 2155 | .8 | .2 | SA | 2120 | 1.0 | .3 |
| 11 | 0410 | 4.4 | 1.3 | 26 | 0355 | 4.1 | 1.2 |
| | 1050 | .3 | .1 | | 1045 | 1.1 | .3 |
| SA | 1650 | 3.1 | .9 | SU | 1555 | 2.5 | .8 |
| SA | 2230 | .9 | .3 | DI | 2140 | 1.0 | .3 |
| 12 | 0500 | 4.5 | 1.4 | 27 | 0430 | 4.2 | 1.3 |
| | 1155 | .6 | .2 | | 1135 | 1.3 | .4 |
| SU | 1735 | 2.6 | .8 | MO | 1620 | 2.3 | .7 |
| DI | 2305 | .9 | .3 | LU | 2200 | 1.0 | .3 |
| 13 | 0600 | 4.5 | 1.4 | 28 | 0510 | 4.2 | 1.3 |
| | 1310 | 1.0 | .3 | | 1235 | 1.4 | .4 |
| MO | 1825 | 2.1 | .6 | TU | 1655 | 2.0 | .6 |
| LU | 2340 | 1.0 | .3 | MA | 2230 | 1.0 | .3 |
| 14 | 0705 | 4.4 | 1.3 | 29 | 0600 | 4.1 | 1.2 |
| | 1445 | 1.1 | .3 | | 1345 | 1.3 | .4 |
| TU | 1940 | 1.8 | .5 | WE | 1750 | 1.8 | .5 |
| MA | | | | ME | 2305 | 1.1 | .3 |
| 15 | 0030 | 1.2 | .4 | 30 | 0855 | 3.9 | 1.2 |
| | 0815 | 4.3 | 1.3 | | 1500 | 1.1 | .3 |
| WE | 1615 | 1.1 | .3 | TH | 1930 | 1.8 | .5 |
| ME | 2135 | 1.7 | .5 | JE | | | |
| | | | | 31 | 0015 | 1.3 | .4 |
| | | | | | 0800 | 3.8 | 1.2 |
| | | | | FR | 1600 | .8 | .3 |
| | | | | VE | 2130 | 1.8 | .5 |

V-2

## TABLE DES MARÉES

# POINTE-SAINT-PIERRE (HNE 2+3)

1989

### APRIL-AVRIL

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0205 | 1.3 | 4 | 16 | 0425 | 1.5 | 5 |
| | 0920 | 3.8 | 1.2 | | 1100 | 3.4 | 1.0 |
| SA | 1645 | .7 | .2 | SU | 1735 | 1.0 | 3 |
| SA | 2235 | 2.1 | .6 | DI | 2350 | 2.8 | 9 |
| 2 | 0345 | 1.1 | .3 | 17 | 0530 | 1.2 | 4 |
| | 1035 | 3.8 | 1.2 | | 1150 | 3.3 | 1.0 |
| SU | 1730 | .8 | .2 | MO | 1805 | 1.1 | 3 |
| DI | 2325 | 2.5 | .8 | LU | | | |
| 3 | 0500 | .7 | .2 | 18 | 0020 | 3.1 | 9 |
| | 1140 | 3.9 | 1.2 | | 0620 | 1.0 | 3 |
| MO | 1810 | .6 | .2 | TU | 1235 | 3.2 | 1.0 |
| LU | | | | MA | 1830 | 1.1 | 3 |
| 4 | 0005 | 3.0 | .9 | 19 | 0045 | 3.5 | 1.1 |
| | 0605 | .3 | .1 | | 0705 | .9 | 3 |
| TU | 1235 | 3.9 | 1.2 | WE | 1315 | 3.1 | 9 |
| MA | 1850 | .6 | .2 | ME | 1855 | 1.1 | 3 |
| 5 | 0045 | 3.5 | 1.1 | 20 | 0115 | 3.8 | 1.2 |
| | 0700 | .0 | 0 | | 0745 | .8 | 2 |
| WE | 1330 | 3.9 | 1.2 | TH | 1345 | 3.0 | 9 |
| ME | 1925 | .6 | .2 | JE | 1920 | 1.1 | 3 |
| 6 | 0130 | 4.1 | 1.2 | 21 | 0150 | 4.1 | 1.2 |
| | 0800 | −.2 | −.1 | | 0830 | .8 | 2 |
| TH | 1415 | 3.7 | 1.1 | FR | 1415 | 2.8 | 9 |
| JE | 2000 | .7 | .2 | VE | 1945 | 1.0 | 3 |
| 7 | 0215 | 4.5 | 1.4 | 22 | 0225 | 4.4 | 1.3 |
| | 0855 | −.2 | −.1 | | 0915 | .9 | 3 |
| FR | 1500 | 3.4 | 1.0 | SA | 1440 | 2.6 | 8 |
| VE | 2035 | .7 | .2 | SA | 2010 | 1.0 | 3 |
| 8 | 0300 | 4.9 | 1.5 | 23 | 0300 | 4.6 | 1.4 |
| | 0950 | .0 | 0 | | 1000 | 1.0 | 3 |
| SA | 1545 | 3.0 | .9 | SU | 1510 | 2.4 | .7 |
| SA | 2110 | .7 | .2 | DI | 2035 | 1.0 | 3 |
| 9 | 0350 | 5.0 | 1.5 | 24 | 0330 | 4.6 | 1.4 |
| | 1050 | .3 | .1 | | 1045 | 1.0 | 3 |
| SU | 1630 | 2.6 | .8 | MO | 1540 | 2.2 | .7 |
| DI | 2150 | .8 | .2 | LU | 2100 | 1.0 | 3 |
| 10 | 0445 | 5.0 | 1.5 | 25 | 0410 | 4.6 | 1.4 |
| | 1155 | .6 | .2 | | 1135 | 1.1 | 3 |
| MO | 1720 | 2.2 | .7 | TU | 1620 | 2.0 | .6 |
| LU | 2225 | .9 | .3 | MA | 2125 | 1.1 | 3 |
| 11 | 0535 | 4.8 | 1.5 | 26 | 0445 | 4.5 | 1.4 |
| | 1305 | .8 | .2 | | 1225 | 1.0 | 3 |
| TU | 1820 | 1.9 | .6 | WE | 1710 | 1.9 | 6 |
| MA | 2305 | 1.1 | .3 | ME | 2205 | 1.2 | 4 |
| 12 | 0635 | 4.5 | 1.4 | 27 | 0530 | 4.3 | 1.3 |
| | 1420 | 1.0 | .3 | | 1315 | 1.0 | 3 |
| WE | 1950 | 1.8 | .5 | TH | 1825 | 1.8 | .5 |
| ME | | | | JE | 2255 | 1.4 | .4 |
| 13 | 0000 | 1.4 | .4 | 28 | 0620 | 4.1 | 1.2 |
| | 0740 | 4.1 | 1.2 | | 1410 | .9 | 3 |
| TH | 1525 | 1.0 | .3 | FR | 1950 | 2.0 | .6 |
| JE | 2130 | 1.9 | .6 | VE | | | |
| 14 | 0125 | 1.6 | .5 | 29 | 0025 | 1.5 | .5 |
| | 0850 | 3.8 | 1.2 | | 0730 | 3.8 | 1.2 |
| FR | 1620 | 1.0 | .3 | SA | 1505 | .9 | .3 |
| VE | 2240 | 2.2 | .7 | SA | 2100 | 2.2 | .7 |
| 15 | 0300 | 1.6 | .5 | 30 | 0205 | 1.4 | .4 |
| | 1000 | 3.5 | 1.1 | | 0850 | 3.6 | 1.1 |
| SA | 1700 | 1.0 | .3 | SU | 1555 | .9 | .3 |
| SA | 2320 | 2.5 | .8 | DI | 2155 | 2.6 | .8 |

### MAY-MAI

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0335 | 1.1 | .3 | 16 | 0505 | 1.5 | 5 |
| | 1005 | 3.6 | 1.1 | | 1110 | 2.9 | 9 |
| MO | 1640 | .9 | .3 | TU | 1655 | 1.4 | 4 |
| LU | 2245 | 3.1 | .9 | MA | 2335 | 3.6 | 1.1 |
| 2 | 0450 | .8 | .2 | 17 | 0605 | 1.3 | 4 |
| | 1115 | 3.8 | 1.1 | | 1155 | 2.8 | 9 |
| TU | 1720 | .9 | .3 | WE | 1725 | 1.3 | 4 |
| MA | 2330 | 3.7 | 1.1 | ME | | | |
| 3 | 0600 | .4 | .1 | 18 | 0010 | 4.0 | 1.2 |
| | 1215 | 3.4 | 1.0 | | 0655 | 1.1 | 3 |
| WE | 1800 | .9 | .3 | TH | 1235 | 2.7 | 8 |
| ME | | | | JE | 1755 | 1.2 | 4 |
| 4 | 0020 | 4.3 | 1.3 | 19 | 0045 | 4.4 | 1.3 |
| | 0700 | .2 | .1 | | 0740 | 1.1 | 3 |
| TH | 1305 | 3.3 | 1.0 | FR | 1310 | 2.6 | 8 |
| JE | 1840 | .9 | .3 | VE | 1825 | 1.1 | 3 |
| 5 | 0110 | 4.6 | 1.5 | 20 | 0125 | 4.7 | 1.4 |
| | 0755 | .1 | 0 | | 0825 | 1.0 | 3 |
| FR | 1355 | 3.1 | .9 | SA | 1340 | 2.4 | 7 |
| VE | 1920 | .8 | .2 | SA | 1855 | 1.0 | .3 |
| 6 | 0155 | 5.2 | 1.6 | 21 | 0200 | 4.8 | 1.5 |
| | 0855 | .1 | 0 | | 0910 | 1.0 | 3 |
| SA | 1440 | 2.8 | .9 | SU | 1420 | 2.3 | 7 |
| SA | 1955 | .7 | .2 | DI | 1930 | 1.0 | 3 |
| 7 | 0245 | 5.4 | 1.6 | 22 | 0235 | 5.0 | 1.5 |
| | 0950 | .3 | .1 | | 0955 | .9 | 3 |
| SU | 1525 | 2.5 | .8 | MO | 1500 | 2.2 | 7 |
| DI | 2035 | .8 | .2 | LU | 2000 | 1.0 | 3 |
| 8 | 0335 | 5.5 | 1.7 | 23 | 0310 | 5.0 | 1.5 |
| | 1050 | .4 | .1 | | 1035 | .9 | 3 |
| MO | 1615 | 2.3 | .7 | TU | 1545 | 2.1 | 6 |
| LU | 2115 | .9 | .3 | MA | 2040 | 1.2 | 4 |
| 9 | 0425 | 5.3 | 1.6 | 24 | 0350 | 4.9 | 1.5 |
| | 1145 | .6 | .2 | | 1115 | .8 | 2 |
| TU | 1710 | 2.1 | .6 | WE | 1635 | 2.1 | .6 |
| MA | 2200 | 1.1 | .3 | ME | 2120 | 1.3 | 4 |
| 10 | 0510 | 4.9 | 1.5 | 25 | 0425 | 4.7 | 1.4 |
| | 1240 | .8 | .2 | | 1200 | .8 | 2 |
| WE | 1815 | 2.1 | .6 | TH | 1730 | 2.2 | 7 |
| ME | 2250 | 1.4 | .4 | JE | 2210 | 1.4 | 4 |
| 11 | 0600 | 4.8 | 1.4 | 26 | 0510 | 4.4 | 1.3 |
| | 1335 | .9 | .3 | | 1245 | .9 | 3 |
| TH | 1930 | 2.2 | .7 | FR | 1825 | 2.3 | .7 |
| JE | 2350 | 1.6 | .5 | VE | 2315 | 1.6 | .5 |
| 12 | 0655 | 4.0 | 1.2 | 27 | 0605 | 4.1 | 1.2 |
| | 1425 | 1.1 | .3 | | 1330 | 1.0 | 3 |
| FR | 2045 | 2.4 | .7 | SA | 1920 | 2.5 | 8 |
| VE | | | | SA | | | |
| 13 | 0115 | 1.8 | .5 | 28 | 0035 | 1.5 | .5 |
| | 0800 | 3.6 | 1.1 | | 0710 | 3.8 | 1.2 |
| SA | 1510 | 1.2 | .4 | SU | 1415 | 1.1 | 3 |
| SA | 2140 | 2.6 | .8 | DI | 2020 | 2.8 | 9 |
| 14 | 0240 | 1.8 | .5 | 29 | 0205 | 1.4 | 4 |
| | 0905 | 3.3 | 1.0 | | 0825 | 3.5 | 1.1 |
| SU | 1550 | 1.3 | .4 | MO | 1505 | 1.2 | .4 |
| DI | 2225 | 2.9 | .9 | LU | 2115 | 3.2 | 1.0 |
| 15 | 0400 | 1.7 | .5 | 30 | 0330 | 1.2 | .4 |
| | 1015 | 3.1 | .9 | | 0940 | 3.3 | 1.0 |
| MO | 1625 | 1.4 | .4 | TU | 1550 | 1.2 | .4 |
| LU | 2300 | 3.3 | 1.0 | MA | 2215 | 3.8 | 1.2 |
| | | | | 31 | 0445 | 1.0 | 3 |
| | | | | | 1050 | 3.1 | 9 |
| | | | | WE | 1635 | 1.2 | .4 |
| | | | | ME | 2310 | 4.3 | 1.3 |

### JUNE-JUIN

| Day | Time | Ht/ft | Ht/m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0555 | .8 | 2 | 16 | 0645 | 1.4 | 4 |
| | 1150 | 2.9 | 9 | | 1145 | 2.3 | 7 |
| TH | 1715 | 1.1 | 3 | FR | 1655 | 1.2 | 4 |
| JE | | | | VE | | | |
| 2 | 0000 | 4.9 | 1.5 | 17 | 0020 | 4.7 | 1.4 |
| | 0700 | .8 | 2 | | 0735 | 1.3 | 4 |
| FR | 1245 | 2.7 | 8 | SA | 1230 | 2.2 | 7 |
| VE | 1755 | 1.0 | 3 | SA | 1740 | 1.1 | 3 |
| 3 | 0055 | 5.3 | 1.6 | 18 | 0100 | 5.0 | 1.5 |
| | 0800 | .6 | 2 | | 0820 | 1.1 | 3 |
| SA | 1335 | 2.6 | .8 | SU | 1320 | 2.1 | 6 |
| SA | 1840 | .8 | 2 | DI | 1820 | 1.0 | 3 |
| 4 | 0145 | 5.6 | 1.7 | 19 | 0140 | 5.1 | 1.6 |
| | 0855 | .5 | 2 | | 0900 | .8 | 3 |
| SU | 1425 | 2.4 | 7 | MO | 1410 | 2.2 | 7 |
| DI | 1925 | .8 | 2 | LU | 1905 | 1.0 | .3 |
| 5 | 0230 | 5.7 | 1.7 | 20 | 0215 | 5.2 | 1.6 |
| | 0950 | .5 | 2 | | 0935 | .7 | 2 |
| MO | 1515 | 2.3 | 7 | TU | 1455 | 2.3 | 7 |
| LU | 2010 | .9 | 3 | MA | 1950 | 1.1 | 3 |
| 6 | 0320 | 5.5 | 1.7 | 21 | 0255 | 5.1 | 1.6 |
| | 1035 | .6 | 2 | | 1015 | .6 | 2 |
| TU | 1605 | 2.3 | 7 | WE | 1545 | 2.4 | 7 |
| MA | 2055 | 1.1 | 3 | ME | 2040 | 1.2 | 4 |
| 7 | 0400 | 5.3 | 1.6 | 22 | 0335 | 5.0 | 1.5 |
| | 1120 | .7 | 2 | | 1050 | .6 | 2 |
| WE | 1655 | 2.4 | 7 | TH | 1625 | 2.5 | 8 |
| ME | 2145 | 1.3 | 4 | JE | 2130 | 1.3 | .4 |
| 8 | 0445 | 4.8 | 1.5 | 23 | 0420 | 4.7 | 1.4 |
| | 1200 | .8 | .2 | | 1130 | .8 | 2 |
| TH | 1750 | 2.5 | .8 | FR | 1710 | 2.7 | 8 |
| JE | 2240 | 1.5 | 5 | VE | 2225 | 1.3 | 4 |
| 9 | 0530 | 4.4 | 1.3 | 24 | 0505 | 4.4 | 1.3 |
| | 1240 | 1.0 | 3 | | 1210 | .9 | 3 |
| FR | 1840 | 2.7 | .8 | SA | 1755 | 2.9 | 9 |
| VE | 2340 | 1.7 | .5 | SA | 2330 | 1.4 | 4 |
| 10 | 0615 | 3.9 | 1.2 | 25 | 0600 | 4.1 | 1.2 |
| | 1320 | 1.2 | 4 | | 1250 | 1.1 | 3 |
| SA | 1935 | 2.8 | .9 | SU | 1845 | 3.1 | 9 |
| SA | | | | DI | | | |
| 11 | 0050 | 1.9 | .6 | 26 | 0040 | 1.4 | 4 |
| | 0705 | 3.5 | 1.1 | | 0700 | 3.7 | 1.1 |
| SU | 1355 | 1.4 | .4 | MO | 1330 | 1.3 | 4 |
| DI | 2025 | 3.0 | .9 | LU | 1940 | 3.5 | 1.1 |
| 12 | 0205 | 1.9 | .6 | 27 | 0200 | 1.4 | 4 |
| | 0805 | 3.2 | 1.0 | | 0805 | 3.3 | 1.0 |
| MO | 1435 | 1.6 | .5 | TU | 1415 | 1.4 | 4 |
| LU | 2115 | 3.3 | 1.0 | MA | 2045 | 3.0 | 1.2 |
| 13 | 0325 | 1.9 | .6 | 28 | 0325 | 1.4 | 4 |
| | 0905 | 2.9 | .9 | | 0910 | 2.9 | 9 |
| TU | 1510 | 1.6 | .5 | WE | 1500 | 1.4 | 4 |
| MA | 2205 | 3.7 | 1.1 | ME | 2150 | 4.3 | 1.3 |
| 14 | 0440 | 1.8 | .5 | 29 | 0450 | 1.3 | 4 |
| | 1000 | 2.6 | .8 | | 1020 | 2.8 | 8 |
| WE | 1540 | 1.5 | .5 | TH | 1545 | 1.3 | .4 |
| ME | 2250 | 4.0 | 1.2 | JE | 2255 | 4.8 | 1.5 |
| 15 | 0550 | 1.8 | .5 | 30 | 0605 | 1.1 | .3 |
| | 1055 | 2.4 | .7 | | 1130 | 2.4 | .7 |
| TH | 1620 | 1.4 | .4 | FR | 1635 | 1.1 | .3 |
| JE | 2335 | 4.4 | 1.3 | VE | 2350 | 5.2 | 1.6 |

V-2

# POINTE-SAINT-PIERRE (EST / E)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0710 | .9 | 3 | 16 | 0720 | 1.3 | 4 |
| | 1230 | 2.2 | 7 | | 1205 | 2.0 | 6 |
| SA | 1725 | 1.0 | 3 | SU | 1705 | 1.1 | 3 |
| SA | | | | DI | | | |
| 2 | 0045 | 5.4 | 16 | 17 | 0030 | 4.9 | 15 |
| | 0805 | .7 | 2 | | 0755 | 1.0 | 3 |
| SU | 1325 | 2.2 | 7 | MO | 1305 | 2.1 | 6 |
| DI | 1815 | .9 | 3 | LU | 1800 | 1.1 | 3 |
| 3 | 0135 | 5.5 | 17 | 18 | 0115 | 5.0 | 15 |
| | 0850 | .6 | 2 | | 0830 | .7 | 2 |
| MO | 1415 | 2.3 | 7 | TU | 1355 | 2.3 | 7 |
| LU | 1905 | 1.0 | 3 | MA | 1855 | 1.0 | 3 |
| 4 | 0220 | 5.4 | 16 | 19 | 0155 | 5.0 | 15 |
| | 0930 | .6 | 2 | | 0905 | .6 | 2 |
| TU | 1505 | 2.4 | 7 | WE | 1440 | 2.6 | 8 |
| MA | 2000 | 1.0 | 3 | ME | 1950 | 1.0 | 3 |
| 5 | 0300 | 5.2 | 16 | 20 | 0240 | 5.0 | 15 |
| | 1010 | .7 | 2 | | 0940 | .6 | 2 |
| WE | 1545 | 2.6 | 8 | TH | 1520 | 2.8 | 9 |
| ME | 2050 | 1.2 | 4 | JE | 2045 | .9 | 3 |
| 6 | 0340 | 4.9 | 15 | 21 | 0325 | 4.8 | 15 |
| | 1040 | .8 | 2 | | 1015 | .7 | 2 |
| TH | 1630 | 2.8 | 9 | FR | 1600 | 3.1 | 9 |
| JE | 2140 | 1.3 | 4 | VE | 2135 | .9 | 3 |
| 7 | 0420 | 4.6 | 14 | 22 | 0410 | 4.6 | 14 |
| | 1115 | 1.0 | 3 | | 1055 | .9 | 3 |
| FR | 1705 | 3.0 | 9 | SA | 1640 | 3.3 | 10 |
| VE | 2230 | 1.5 | 5 | SA | 2230 | 1.0 | 3 |
| 8 | 0500 | 4.2 | 13 | 23 | 0500 | 4.3 | 13 |
| | 1145 | 1.2 | 4 | | 1130 | 1.1 | 3 |
| SA | 1745 | 3.1 | 9 | SU | 1725 | 3.5 | 11 |
| SA | 2325 | 1.6 | 5 | DI | 2330 | 1.1 | 3 |
| 9 | 0540 | 3.8 | 12 | 24 | 0550 | 3.9 | 12 |
| | 1220 | 1.4 | 4 | | 1205 | 1.3 | 4 |
| SU | 1825 | 3.3 | 10 | MO | 1815 | 3.8 | 12 |
| DI | | | | LU | | | |
| 10 | 0020 | 1.8 | 5 | 25 | 0040 | 1.2 | 4 |
| | 0615 | 3.4 | 10 | | 0640 | 3.4 | 10 |
| MO | 1245 | 1.6 | 5 | TU | 1245 | 1.4 | 4 |
| LU | 1910 | 3.5 | 11 | MA | 1915 | 4.1 | 12 |
| 11 | 0125 | 1.9 | 6 | 26 | 0200 | 1.4 | 4 |
| | 0655 | 3.0 | 9 | | 0735 | 2.9 | 9 |
| TU | 1315 | 1.6 | 5 | WE | 1325 | 1.4 | 4 |
| MA | 2005 | 3.7 | 11 | ME | 2020 | 4.3 | 13 |
| 12 | 0245 | 2.0 | 6 | 27 | 0330 | 1.6 | 5 |
| | 0735 | 2.7 | 8 | | 0840 | 2.4 | 7 |
| WE | 1345 | 1.6 | 5 | TH | 1410 | 1.4 | 4 |
| ME | 2105 | 4.0 | 12 | JE | 2135 | 4.6 | 14 |
| 13 | 0415 | 2.0 | 6 | 28 | 0505 | 1.4 | 4 |
| | 0825 | 2.4 | 7 | | 1005 | 2.1 | 6 |
| TH | 1425 | 1.5 | 5 | FR | 1500 | 1.3 | 4 |
| JE | 2205 | 4.2 | 13 | VE | 2240 | 4.9 | 15 |
| 14 | 0540 | 1.8 | 5 | 29 | 0620 | 1.2 | 4 |
| | 0930 | 2.1 | 6 | | 1125 | 2.0 | 6 |
| FR | 1510 | 1.3 | 4 | SA | 1605 | 1.2 | 4 |
| VE | 2300 | 4.5 | 14 | SA | 2340 | 5.1 | 16 |
| 15 | 0640 | 1.5 | 5 | 30 | 0715 | 1.0 | 3 |
| | 1055 | 2.0 | 6 | | 1230 | 2.1 | 6 |
| SA | 1605 | 1.2 | 4 | SU | 1705 | 1.1 | 3 |
| SA | 2350 | 4.8 | 15 | DI | | | |
| | | | | 31 | 0035 | 5.1 | 16 |
| | | | | | 0755 | .9 | 2 |
| | | | | MO | 1320 | 2.2 | 7 |
| | | | | LU | 1810 | 1.1 | 3 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0120 | 5.0 | 15 | 16 | 0050 | 4.7 | 14 |
| | 0830 | .7 | 2 | | 0750 | .7 | 2 |
| TU | 1405 | 2.5 | 8 | WE | 1330 | 2.7 | 8 |
| MA | 1905 | 1.1 | 3 | ME | 1855 | .8 | 2 |
| 2 | 0205 | 4.9 | 15 | 17 | 0140 | 4.7 | 14 |
| | 0900 | .8 | 2 | | 0825 | .8 | 2 |
| WE | 1445 | 2.8 | 9 | TH | 1410 | 3.0 | 9 |
| ME | 2000 | 1.1 | 3 | JE | 1950 | .8 | 2 |
| 3 | 0245 | 4.7 | 14 | 18 | 0225 | 4.7 | 14 |
| | 0930 | .8 | 2 | | 0900 | .7 | 2 |
| TH | 1520 | 3.0 | 9 | FR | 1445 | 3.4 | 10 |
| JE | 2045 | 1.1 | 3 | VE | 2040 | .8 | 2 |
| 4 | 0325 | 4.5 | 14 | 19 | 0315 | 4.6 | 14 |
| | 1000 | 1.0 | 3 | | 0935 | .8 | 2 |
| FR | 1550 | 3.2 | 10 | SA | 1525 | 3.7 | 11 |
| VE | 2130 | 1.2 | 4 | SA | 2135 | .5 | 2 |
| 5 | 0400 | 4.2 | 13 | 20 | 0400 | 4.3 | 13 |
| | 1025 | 1.2 | 4 | | 1015 | 1.0 | 3 |
| SA | 1620 | 3.4 | 10 | SU | 1610 | 4.0 | 12 |
| SA | 2215 | 1.3 | 4 | DI | 2230 | .8 | 2 |
| 6 | 0435 | 3.9 | 12 | 21 | 0445 | 3.9 | 12 |
| | 1055 | 1.4 | 4 | | 1050 | 1.2 | 4 |
| SU | 1655 | 3.6 | 11 | MO | 1655 | 4.3 | 13 |
| DI | 2305 | 1.5 | 5 | LU | 2330 | .8 | 2 |
| 7 | 0505 | 3.6 | 11 | 22 | 0535 | 3.5 | 11 |
| | 1115 | 1.5 | 5 | | 1120 | 1.3 | 4 |
| MO | 1730 | 3.7 | 11 | TU | 1750 | 4.5 | 14 |
| LU | 2355 | 1.7 | 5 | MA | | | |
| 8 | 0530 | 3.2 | 10 | 23 | 0040 | 1.1 | 3 |
| | 1140 | 1.5 | 5 | | 0620 | 2.9 | 9 |
| TU | 1815 | 3.9 | 12 | WE | 1200 | 1.3 | 4 |
| MA | | | | ME | 1850 | 4.6 | 14 |
| 9 | 0055 | 1.9 | 6 | 24 | 0205 | 1.3 | 4 |
| | 0555 | 2.8 | 9 | | 0715 | 2.4 | 7 |
| WE | 1200 | 1.5 | 5 | TH | 1240 | 1.3 | 4 |
| ME | 1905 | 4.0 | 12 | JE | 2000 | 4.6 | 14 |
| 10 | 0215 | 2.0 | 6 | 25 | 0335 | 1.4 | 4 |
| | 0620 | 2.5 | 8 | | 0830 | 2.1 | 6 |
| TH | 1230 | 1.4 | 4 | FR | 1330 | 1.4 | 4 |
| JE | 2010 | 4.1 | 12 | VE | 2115 | 4.7 | 14 |
| 11 | 0350 | 2.0 | 6 | 26 | 0505 | 1.3 | 4 |
| | 0700 | 2.2 | 7 | | 1010 | 1.9 | 6 |
| FR | 1315 | 1.3 | 4 | SA | 1435 | 1.4 | 4 |
| VE | 2115 | 4.3 | 13 | SA | 2225 | 4.6 | 14 |
| 12 | 0515 | 1.6 | 5 | 27 | 0605 | 1.1 | 3 |
| | 0830 | 1.9 | 6 | | 1130 | 2.0 | 6 |
| SA | 1415 | 1.3 | 4 | SU | 1555 | 1.4 | 4 |
| SA | 2215 | 4.4 | 13 | DI | 2325 | 4.6 | 14 |
| 13 | 0605 | 1.4 | 4 | 28 | 0650 | 1.0 | 3 |
| | 1030 | 1.8 | 6 | | 1225 | 2.3 | 7 |
| SU | 1530 | 1.3 | 4 | MO | 1710 | 1.3 | 4 |
| DI | 2310 | 4.5 | 14 | LU | | | |
| 14 | 0640 | 1.1 | 3 | 29 | 0020 | 4.5 | 14 |
| | 1150 | 2.1 | 6 | | 0720 | .9 | 3 |
| MO | 1645 | 1.2 | 4 | TU | 1305 | 2.6 | 8 |
| LU | | | | MA | 1815 | 1.2 | 4 |
| 15 | 0000 | 4.6 | 14 | 30 | 0105 | 4.4 | 13 |
| | 0715 | .8 | 2 | | 0750 | .9 | 3 |
| TU | 1245 | 2.4 | 7 | WE | 1340 | 2.8 | 9 |
| MA | 1755 | 1.0 | 3 | ME | 1910 | 1.1 | 3 |
| | | | | 31 | 0150 | 4.2 | 13 |
| | | | | | 0820 | 1.0 | 3 |
| | | | | TH | 1415 | 3.2 | 10 |
| | | | | JE | 1955 | 1.0 | 3 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0225 | 4.1 | 12 | 16 | 0210 | 4.3 | 13 |
| | 0845 | 1.1 | 3 | | 0820 | .8 | 2 |
| FR | 1440 | 3.5 | 11 | SA | 1415 | 4.1 | 12 |
| VE | 2040 | 1.0 | 3 | SA | 2035 | .2 | 1 |
| 2 | 0300 | 4.0 | 12 | 17 | 0300 | 4.1 | 12 |
| | 0910 | 1.2 | 4 | | 0855 | .9 | 3 |
| SA | 1510 | 3.7 | 11 | SU | 1500 | 4.5 | 14 |
| SA | 2120 | 1.0 | 3 | DI | 2130 | .2 | 1 |
| 3 | 0335 | 3.7 | 11 | 18 | 0345 | 3.8 | 12 |
| | 0935 | 1.3 | 4 | | 0930 | 1.0 | 3 |
| SU | 1540 | 3.9 | 12 | MO | 1545 | 4.[illegible] | 15 |
| DI | 2205 | 1.2 | 4 | LU | 2230 | .4 | 1 |
| 4 | 0405 | 3.5 | 11 | 19 | 0430 | 3.4 | 10 |
| | 0955 | 1.4 | 4 | | 1005 | 1.1 | 3 |
| MO | 1615 | 4.1 | 12 | TU | 1635 | 5.0 | 15 |
| LU | 2250 | 1.4 | 4 | MA | 2335 | .7 | 2 |
| 5 | 0425 | 3.1 | 9 | 20 | 0515 | 2.9 | 9 |
| | 1015 | 1.4 | 4 | | 1040 | 1.1 | 3 |
| TU | 1650 | 4.2 | 13 | WE | 1730 | 5.0 | 15 |
| MA | 2340 | 1.6 | 5 | ME | | | |
| 6 | 0445 | 2.8 | 9 | 21 | 0040 | 1.0 | 3 |
| | 1035 | 1.4 | 4 | | 0605 | 2.5 | 8 |
| WE | 1730 | 4.3 | 13 | TH | 1120 | 1.2 | 4 |
| ME | | | | JE | 1830 | 4.9 | 15 |
| 7 | 0040 | 1.8 | 5 | 22 | 0200 | 1.2 | 4 |
| | 0505 | 2.5 | 8 | | 0705 | 2.1 | 6 |
| TH | 1100 | 1.3 | 4 | FR | 1205 | 1.3 | 4 |
| JE | 1820 | 4.3 | 13 | VE | 1935 | 4.7 | 14 |
| 8 | 0150 | 1.8 | 5 | 23 | 0320 | 1.2 | 4 |
| | 0535 | 2.2 | 7 | | 0840 | 2.0 | 6 |
| FR | 1130 | 1.3 | 4 | SA | 1305 | 1.5 | 5 |
| VE | 1915 | 4.2 | 13 | SA | 2050 | 4.6 | 14 |
| 9 | 0310 | 1.8 | 5 | 24 | 0430 | 1.2 | 4 |
| | 0635 | 2.0 | 6 | | 1015 | 2.1 | 6 |
| SA | 1215 | 1.4 | 4 | SU | 1430 | 1.6 | 5 |
| SA | 2015 | 4.2 | 13 | DI | 2200 | 4.2 | 13 |
| 10 | 0415 | 1.5 | 5 | 25 | 0525 | 1.2 | 4 |
| | 0825 | 1.9 | 6 | | 1120 | 2.4 | 7 |
| SU | 1335 | 1.4 | 4 | MO | 1600 | 1.6 | 5 |
| DI | 2120 | 4.1 | 12 | LU | 2305 | 4.0 | 12 |
| 11 | 0505 | 1.3 | 4 | 26 | 0600 | 1.1 | 3 |
| | 1020 | 2.0 | 6 | | 1205 | 2.7 | 8 |
| MO | 1515 | 1.4 | 4 | TU | 1715 | 1.4 | 4 |
| LU | 2230 | 4.1 | 12 | MA | | | |
| 12 | 0550 | 1.0 | 3 | 27 | 0000 | 3.9 | 12 |
| | 1125 | 2.4 | 7 | | 0635 | 1.1 | 3 |
| TU | 1640 | 1.2 | 4 | WE | 1240 | 3.0 | 9 |
| MA | 2330 | 4.2 | 13 | ME | 1815 | 1.2 | 4 |
| 13 | 0625 | .9 | 3 | 28 | 0045 | 3.8 | 12 |
| | 1215 | 2.7 | 8 | | 0700 | 1.2 | 4 |
| WE | 1750 | .9 | 3 | TH | 1310 | 3.4 | 10 |
| ME | | | | JE | 1905 | 1.1 | 3 |
| 14 | 0030 | 4.3 | 13 | 29 | 0130 | 3.7 | 11 |
| | 0705 | .8 | 2 | | 0730 | 1.2 | 4 |
| TH | 1255 | 3.2 | 10 | FR | 1340 | 3.6 | 11 |
| JE | 1850 | .6 | 2 | VE | 1950 | 1.0 | 3 |
| 15 | 0120 | 4.3 | 13 | 30 | 0205 | 3.8 | 11 |
| | 0740 | .8 | 2 | | 0755 | 1.3 | 4 |
| FR | 1335 | 3.6 | 11 | SA | 1410 | 3.9 | 12 |
| VE | 1945 | .3 | 1 | SA | 2030 | 1.0 | 3 |

V-2

# TABLE DES MARÉES

# POINTE-SAINT-PIERRE (HNE 2·5)

1989

## OCTOBER-OCTOBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0240 | 3.4 | | 1 | 0 | 16 | 0240 | 3.5 | | 1 | 1 |
| | 0820 | 1.3 | | 4 | | | 0810 | 1.0 | | 3 | |
| SU | 1440 | 4.2 | | 1 | 3 | MO | 1440 | 5.3 | | 1 | 6 |
| DI | 2115 | 1.0 | | 3 | | LU | 2130 | .2 | | 1 | |
| 2 | 0305 | 3.2 | | 1 | 0 | 17 | 0325 | 3.2 | | 1 | 0 |
| | 0845 | 1.4 | | 4 | | | 0850 | 1.0 | | 3 | |
| MO | 1510 | 4.4 | | 1 | 3 | TU | 1530 | 5.5 | | 1 | 7 |
| LU | 2155 | 1.2 | | 4 | | MA | 2230 | .4 | | 1 | |
| 3 | 0330 | 3.0 | | 9 | | 18 | 0415 | 2.9 | | 9 | |
| | 0905 | 1.3 | | 4 | | | 0925 | 1.0 | | 3 | |
| TU | 1545 | 4.6 | | 1 | 4 | WE | 1620 | 5.5 | | 1 | 7 |
| MA | 2245 | 1.3 | | 4 | | ME | 2330 | .6 | | 2 | |
| 4 | 0355 | 2.7 | | 8 | | 19 | 0500 | 2.5 | | 8 | |
| | 0925 | 1.3 | | 4 | | | 1005 | 1.1 | | 3 | |
| WE | 1620 | 4.6 | | 1 | 4 | TH | 1610 | 5.4 | | 1 | 6 |
| ME | 2330 | 1.5 | | 5 | | JE | | | | | |
| 5 | 0420 | 2.5 | | 8 | | 20 | 0035 | .9 | | 3 | |
| | 0945 | 1.3 | | 4 | | | 0555 | 2.3 | | 7 | |
| TH | 1700 | 4.6 | | 1 | 4 | FR | 1050 | 1.2 | | 4 | |
| JE | | | | | | VE | 1805 | 5.0 | | 1 | 5 |
| 6 | 0025 | 1.5 | | 5 | | 21 | 0140 | 1.0 | | 3 | |
| | 0450 | 2.3 | | 7 | | | 0705 | 2.2 | | 7 | |
| FR | 1015 | 1.3 | | 4 | | SA | 1145 | 1.5 | | 5 | |
| VE | 1740 | 4.5 | | 1 | 4 | SA | 1905 | 4.6 | | 1 | 4 |
| 7 | 0120 | 1.5 | | 5 | | 22 | 0240 | 1.2 | | 4 | |
| | 0535 | 2.1 | | 6 | | | 0830 | 2.3 | | 7 | |
| SA | 1050 | 1.4 | | 4 | | SU | 1300 | 1.7 | | 5 | |
| SA | 1825 | 4.3 | | 1 | 3 | DI | 2010 | 4.1 | | 1 | 2 |
| 8 | 0215 | 1.4 | | 4 | | 23 | 0335 | 1.2 | | 4 | |
| | 0650 | 2.0 | | 6 | | | 0945 | 2.5 | | 8 | |
| SU | 1150 | 1.5 | | 5 | | MO | 1430 | 1.6 | | 5 | |
| DI | 1925 | 4.1 | | 1 | 2 | LU | 2125 | 3.8 | | 1 | 2 |
| 9 | 0315 | 1.3 | | 4 | | 24 | 0420 | 1.3 | | 4 | |
| | 0830 | 2.1 | | 6 | | | 1045 | 2.8 | | 9 | |
| MO | 1325 | 1.6 | | 5 | | TU | 1600 | 1.7 | | 5 | |
| LU | 2035 | 3.9 | | 1 | 2 | MA | 2230 | 3.5 | | 1 | 1 |
| 10 | 0405 | 1.2 | | 4 | | 25 | 0500 | 1.4 | | 4 | |
| | 0950 | 2.4 | | 7 | | | 1125 | 3.1 | | 9 | |
| TU | 1505 | 1.5 | | 5 | | WE | 1710 | 1.6 | | 5 | |
| MA | 2150 | 3.8 | | 1 | 2 | ME | 2330 | 3.4 | | 1 | 0 |
| 11 | 0450 | 1.1 | | 3 | | 26 | 0535 | 1.4 | | 4 | |
| | 1050 | 2.8 | | 9 | | | 1200 | 3.5 | | 1 | 1 |
| WE | 1630 | 1.2 | | 4 | | TH | 1810 | 1.4 | | 4 | |
| ME | 2300 | 3.6 | | 1 | 2 | JE | | | | | |
| 12 | 0535 | 1.0 | | 3 | | 27 | 0020 | 3.3 | | 1 | 0 |
| | 1135 | 3.2 | | 1 | 0 | | 0605 | 1.4 | | 4 | |
| TH | 1740 | .8 | | 2 | | FR | 1235 | 3.6 | | 1 | 2 |
| JE | | | | | | VE | 1855 | 1.2 | | 4 | |
| 13 | 0005 | 3.9 | | 1 | 2 | 28 | 0100 | 3.2 | | 1 | 0 |
| | 0620 | 1.0 | | 3 | | | 0635 | 1.4 | | 4 | |
| FR | 1220 | 3.8 | | 1 | 2 | SA | 1305 | 4.1 | | 1 | 2 |
| VE | 1840 | .5 | | 2 | | SA | 1945 | 1.1 | | 3 | |
| 14 | 0100 | 3.9 | | 1 | 2 | 29 | 0140 | 3.0 | | 9 | |
| | 0655 | 1.0 | | 3 | | | 0700 | 1.4 | | 4 | |
| SA | 1305 | 4.3 | | 1 | 3 | SU | 1340 | 4.4 | | 1 | 3 |
| SA | 1940 | .2 | | 1 | | DI | 2025 | 1.1 | | 3 | |
| 15 | 0155 | 3.8 | | 1 | 2 | 30 | 0210 | 2.9 | | 9 | |
| | 0735 | 1.0 | | 3 | | | 0730 | 1.4 | | 4 | |
| SU | 1350 | 4.8 | | 1 | 5 | MO | 1415 | 4.7 | | 1 | 4 |
| DI | 2035 | .2 | | 1 | | LU | 2110 | 1.1 | | 3 | |
| | | | | | | 31 | 0240 | 2.7 | | 8 | |
| | | | | | | | 0755 | 1.3 | | 4 | |
| | | | | | | TU | 1450 | 4.9 | | 1 | 5 |
| | | | | | | MA | 2155 | 1.1 | | 3 | |

## NOVEMBER-NOVEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0305 | 2.6 | | 8 | | 16 | 0400 | 2.8 | | 8 | |
| | 0820 | 1.3 | | 4 | | | 0900 | .9 | | 3 | |
| WE | 1520 | 5.0 | | 1 | 5 | TH | 1605 | 5.7 | | 1 | 7 |
| ME | 2240 | 1.2 | | 4 | | JE | 2320 | .6 | | 2 | |
| 2 | 0340 | 2.4 | | 7 | | 17 | 0450 | 2.4 | | 7 | |
| | 0845 | 1.3 | | 4 | | | 0945 | 1.1 | | 3 | |
| TH | 1555 | 4.9 | | 1 | 5 | FR | 1650 | 5.4 | | 1 | 6 |
| JE | 2320 | 1.2 | | 4 | | VE | | | | | |
| 3 | 0415 | 2.3 | | 7 | | 18 | 0010 | .8 | | 2 | |
| | 0915 | 1.3 | | 4 | | | 0545 | 2.5 | | 8 | |
| FR | 1630 | 4.8 | | 1 | 5 | SA | 1040 | 1.3 | | 4 | |
| VE | | | | | | SA | 1740 | 4.9 | | 1 | 5 |
| 4 | 0000 | 1.2 | | 4 | | 19 | 0100 | 1.0 | | 3 | |
| | 0455 | 2.2 | | 7 | | | 0645 | 2.5 | | 8 | |
| SA | 0955 | 1.4 | | 4 | | SU | 1140 | 1.6 | | 5 | |
| SA | 1710 | 4.6 | | 1 | 4 | DI | 1830 | 4.4 | | 1 | 3 |
| 5 | 0045 | 1.2 | | 4 | | 20 | 0145 | 1.2 | | 4 | |
| | 0550 | 2.2 | | 7 | | | 0750 | 2.7 | | 8 | |
| SU | 1040 | 1.6 | | 5 | | MO | 1250 | 1.8 | | 5 | |
| DI | 1750 | 4.3 | | 1 | 3 | LU | 1930 | 3.8 | | 1 | 2 |
| 6 | 0130 | 1.2 | | 4 | | 21 | 0230 | 1.3 | | 4 | |
| | 0655 | 2.3 | | 7 | | | 0855 | 2.6 | | 9 | |
| MO | 1150 | 1.7 | | 5 | | TU | 1415 | 1.9 | | 6 | |
| LU | 1850 | 4.0 | | 1 | 2 | MA | 2035 | 3.4 | | 1 | 0 |
| 7 | 0215 | 1.2 | | 4 | | 22 | 0310 | 1.5 | | 5 | |
| | 0805 | 2.5 | | 8 | | | 0950 | 3.2 | | 1 | 0 |
| TU | 1320 | 1.7 | | 5 | | WE | 1535 | 1.9 | | 6 | |
| MA | 2000 | 3.8 | | 1 | 2 | ME | 2140 | 3.1 | | 9 | |
| 8 | 0310 | 1.2 | | 4 | | 23 | 0355 | 1.6 | | 5 | |
| | 0910 | 2.5 | | 9 | | | 1040 | 3.5 | | 1 | 1 |
| WE | 1455 | 1.5 | | 5 | | TH | 1650 | 1.7 | | 5 | |
| ME | 2115 | 3.6 | | 1 | 1 | JE | 2245 | 2.9 | | 9 | |
| 9 | 0400 | 1.2 | | 4 | | 24 | 0430 | 1.6 | | 5 | |
| | 1010 | 3.3 | | 1 | 0 | | 1120 | 3.8 | | 1 | 2 |
| TH | 1620 | 1.2 | | 4 | | FR | 1755 | 1.6 | | 5 | |
| JE | 2235 | 3.5 | | 1 | 1 | VE | 2340 | 2.8 | | 9 | |
| 10 | 0445 | 1.2 | | 4 | | 25 | 0505 | 1.6 | | 5 | |
| | 1100 | 3.8 | | 1 | 2 | | 1200 | 4.2 | | 1 | 3 |
| FR | 1730 | .9 | | 3 | | SA | 1850 | 1.4 | | 4 | |
| VE | 2340 | 3.4 | | 1 | 0 | SA | | | | | |
| 11 | 0530 | 1.2 | | 4 | | 26 | 0025 | 2.8 | | 8 | |
| | 1155 | 4.4 | | 1 | 3 | | 0535 | 1.5 | | 5 | |
| SA | 1835 | .6 | | 2 | | SU | 1240 | 4.5 | | 1 | 4 |
| SA | | | | | | DI | 1940 | 1.3 | | 4 | |
| 12 | 0040 | 3.3 | | 1 | 0 | 27 | 0105 | 2.6 | | 8 | |
| | 0610 | 1.1 | | 3 | | | 0610 | 1.4 | | 4 | |
| SU | 1245 | 4.9 | | 1 | 5 | MO | 1315 | 4.8 | | 1 | 5 |
| DI | 1935 | .4 | | 1 | | LU | 2025 | 1.1 | | 3 | |
| 13 | 0130 | 3.1 | | 9 | | 28 | 0140 | 2.4 | | 7 | |
| | 0650 | 1.0 | | 3 | | | 0640 | 1.2 | | 4 | |
| MO | 1335 | 5.4 | | 1 | 6 | TU | 1350 | 5.1 | | 1 | 6 |
| LU | 2035 | .3 | | 1 | | MA | 2110 | 1.1 | | 3 | |
| 14 | 0220 | 2.9 | | 9 | | 29 | 0220 | 2.3 | | 7 | |
| | 0735 | .9 | | 3 | | | 0715 | 1.2 | | 4 | |
| TU | 1425 | 5.7 | | 1 | 7 | WE | 1425 | 5.2 | | 1 | 6 |
| MA | 2135 | .3 | | 1 | | ME | 2145 | 1.0 | | 3 | |
| 15 | 0310 | 2.7 | | 8 | | 30 | 0255 | 2.2 | | 7 | |
| | 0815 | .9 | | 3 | | | 0750 | 1.2 | | 4 | |
| WE | 1515 | 5.9 | | 1 | 8 | TH | 1500 | 5.1 | | 1 | 6 |
| ME | 2225 | .4 | | 1 | | JE | 2225 | .9 | | 3 | |

## DECEMBER-DECEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | H | pi | H | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0335 | 2.3 | | 7 | | 16 | 0430 | 2.6 | | 8 | |
| | 0830 | 1.2 | | 4 | | | 0935 | 1.0 | | 3 | |
| FR | 1535 | 5.0 | | 1 | 5 | SA | 1630 | 5.1 | | 1 | 6 |
| VE | 2255 | .9 | | 3 | | SA | 2335 | .7 | | 2 | |
| 2 | 0415 | 2.3 | | 7 | | 17 | 0520 | 2.8 | | 9 | |
| | 0910 | 1.4 | | 4 | | | 1030 | 1.3 | | 4 | |
| SA | 1610 | 4.8 | | 1 | 5 | SU | 1715 | 4.8 | | 1 | 4 |
| SA | 2330 | .9 | | 3 | | DI | | | | | |
| 3 | 0500 | 2.4 | | 7 | | 18 | 0010 | 1.0 | | 3 | |
| | 0955 | 1.5 | | 5 | | | 0605 | 2.0 | | 9 | |
| SU | 1650 | 4.5 | | 1 | 4 | MO | 1130 | 1.5 | | 5 | |
| DI | | | | | | LU | 1755 | 4.1 | | 1 | 2 |
| 4 | 0010 | 1.0 | | 3 | | 19 | 0045 | 1.2 | | 4 | |
| | 0545 | 2.0 | | 8 | | | 0655 | 3.1 | | 9 | |
| MO | 1050 | 1.5 | | 5 | | TU | 1230 | 1.7 | | 5 | |
| LU | 1735 | 4.2 | | 1 | 3 | MA | 1845 | 3.6 | | 1 | 1 |
| 5 | 0045 | 1.1 | | 3 | | 20 | 0125 | 1.4 | | 4 | |
| | 0635 | 2.7 | | 8 | | | 0750 | 3.2 | | 1 | 0 |
| TU | 1200 | 1.6 | | 5 | | WE | 1340 | 1.9 | | 6 | |
| MA | 1825 | 3.9 | | 1 | 2 | ME | 1930 | 3.2 | | 1 | 0 |
| 6 | 0130 | 1.2 | | 4 | | 21 | 0200 | 1.5 | | 5 | |
| | 0730 | 3.0 | | 9 | | | 0845 | 3.4 | | 1 | 0 |
| WE | 1320 | 1.6 | | 5 | | TH | 1500 | 1.9 | | 6 | |
| ME | 1930 | 3.6 | | 1 | 1 | JE | 2030 | 2.8 | | 9 | |
| 7 | 0215 | 1.3 | | 4 | | 22 | 0235 | 1.6 | | 5 | |
| | 0830 | 3.3 | | 1 | 0 | | 0940 | 3.7 | | 1 | 1 |
| TH | 1445 | 1.5 | | 5 | | FR | 1630 | 1.9 | | 6 | |
| JE | 2045 | 3.3 | | 1 | 0 | VE | 2135 | 2.5 | | 8 | |
| 8 | 0305 | 1.4 | | 4 | | 23 | 0315 | 1.6 | | 5 | |
| | 0935 | 3.7 | | 1 | 1 | | 1035 | 4.0 | | 1 | 2 |
| FR | 1610 | 1.3 | | 4 | | SA | 1750 | 1.7 | | 5 | |
| VE | 2205 | 3.0 | | 9 | | SA | 2240 | 2.3 | | 7 | |
| 9 | 0355 | 1.3 | | 4 | | 24 | 0355 | 1.5 | | 5 | |
| | 1035 | 4.3 | | 1 | 3 | | 1125 | 4.3 | | 1 | 3 |
| SA | 1730 | 1.0 | | 3 | | SU | 1850 | 1.6 | | 5 | |
| SA | 2315 | 2.8 | | 9 | | DI | 2340 | 2.1 | | 6 | |
| 10 | 0440 | 1.2 | | 4 | | 25 | 0435 | 1.4 | | 4 | |
| | 1135 | 4.9 | | 1 | 5 | | 1210 | 4.7 | | 1 | 4 |
| SU | 1840 | .8 | | 2 | | MO | 1940 | 1.3 | | 4 | |
| DI | | | | | | LU | | | | | |
| 11 | 0020 | 2.6 | | 8 | | 26 | 0035 | 2.9 | | 6 | |
| | 0530 | 1.1 | | 3 | | | 0520 | 1.2 | | 4 | |
| MO | 1230 | 5.3 | | 1 | 6 | TU | 1250 | 4.9 | | 1 | 5 |
| LU | 1940 | .5 | | 2 | | MA | 2020 | 1.1 | | 3 | |
| 12 | 0115 | 2.5 | | 8 | | 27 | 0120 | 2.9 | | 6 | |
| | 0615 | .9 | | 3 | | | 0605 | 1.1 | | 3 | |
| TU | 1325 | 5.7 | | 1 | 7 | WE | 1330 | 5.0 | | 1 | 5 |
| MA | 2035 | .4 | | 1 | | ME | 2050 | .9 | | 3 | |
| 13 | 0205 | 2.4 | | 7 | | 28 | 0205 | 2.1 | | 6 | |
| | 0705 | .8 | | 2 | | | 0655 | 1.1 | | 3 | |
| WE | 1410 | 5.8 | | 1 | 8 | TH | 1405 | 5.1 | | 1 | 6 |
| ME | 2125 | .4 | | 1 | | JE | 2120 | .7 | | 2 | |
| 14 | 0255 | 2.4 | | 7 | | 29 | 0245 | 2.3 | | 7 | |
| | 0755 | .8 | | 2 | | | 0740 | 1.1 | | 3 | |
| TH | 1500 | 5.8 | | 1 | 8 | FR | 1440 | 5.0 | | 1 | 5 |
| JE | 2210 | .4 | | 1 | | VE | 2155 | .7 | | 2 | |
| 15 | 0345 | 2.5 | | 8 | | 30 | 0325 | 2.4 | | 7 | |
| | 0845 | .9 | | 3 | | | 0830 | 1.1 | | 3 | |
| FR | 1545 | 5.6 | | 1 | 7 | SA | 1520 | 4.8 | | 1 | 5 |
| VE | 2255 | .8 | | 2 | | SA | 2225 | .8 | | 2 | |
| | | | | | | 31 | 0400 | 2.6 | | 8 | |
| | | | | | | | 0915 | 1.1 | | 3 | |
| | | | | | | SU | 1555 | 4.8 | | 1 | 4 |
| | | | | | | DI | 2255 | .7 | | 2 | |

# HARRINGTON-HARBOUR (AST 2+4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0535 | 4.8 | 1.5 | 16 | 0615 | 5.4 | 1.6 |
| | 1155 | 3.1 | .9 | | 1230 | 2.8 | .8 |
| SU | 1720 | 4.5 | 1.4 | MO | 1755 | 4.4 | 1.3 |
| DI | 2350 | 2.3 | .7 | LU | | | |
| 2 | 0650 | 5.1 | 1.6 | 17 | 0025 | 1.8 | .5 |
| | 1310 | 3.1 | .9 | | 0735 | 5.7 | 1.7 |
| MO | 1815 | 4.3 | 1.3 | TU | 1355 | 2.7 | .8 |
| LU | | | | MA | 1910 | 4.3 | 1.3 |
| 3 | 0040 | 2.0 | .6 | 18 | 0130 | 1.4 | .4 |
| | 0750 | 5.4 | 1.6 | | 0840 | 5.9 | 1.8 |
| TU | 1415 | 3.0 | .9 | WE | 1505 | 2.5 | .8 |
| MA | 1910 | 4.3 | 1.3 | ME | 2015 | 4.3 | 1.3 |
| 4 | 0135 | 1.7 | .5 | 19 | 0230 | 1.2 | .4 |
| | 0845 | 5.8 | 1.8 | | 0935 | 6.3 | 1.9 |
| WE | 1510 | 2.8 | .9 | TH | 1600 | 2.4 | .7 |
| ME | 2005 | 4.3 | 1.3 | JE | 2110 | 4.5 | 1.4 |
| 5 | 0220 | 1.8 | .4 | 20 | 0320 | 1.0 | .3 |
| | 0930 | 6.3 | 1.9 | | 1020 | 6.5 | 2.0 |
| TH | 1600 | 2.6 | .8 | FR | 1640 | 2.2 | .7 |
| JE | 2055 | 4.4 | 1.3 | VE | 2200 | 4.7 | 1.4 |
| 6 | 0305 | 1.0 | .3 | 21 | 0405 | .9 | .3 |
| | 1010 | 6.6 | 2.0 | | 1100 | 6.6 | 2.0 |
| FR | 1640 | 2.3 | .7 | SA | 1720 | 2.1 | .6 |
| VE | 2145 | 4.5 | 1.4 | SA | 2240 | 4.9 | 1.5 |
| 7 | 0350 | .8 | .2 | 22 | 0450 | .9 | .3 |
| | 1050 | 6.9 | 2.1 | | 1135 | 6.6 | 2.0 |
| SA | 1720 | 2.1 | .6 | SU | 1755 | 2.0 | .6 |
| SA | 2230 | 4.7 | 1.4 | DI | 2315 | 5.1 | 1.6 |
| 8 | 0430 | .4 | .1 | 23 | 0525 | 1.0 | .3 |
| | 1130 | 7.0 | 2.1 | | 1210 | 6.4 | 2.0 |
| SU | 1800 | 1.9 | .6 | MO | 1825 | 2.0 | .6 |
| DI | 2310 | 4.9 | 1.5 | LU | 2355 | 5.2 | 1.6 |
| 9 | 0515 | .3 | .1 | 24 | 0600 | 1.1 | .3 |
| | 1210 | 7.0 | 2.1 | | 1240 | 6.1 | 1.9 |
| MO | 1835 | 1.7 | .5 | TU | 1855 | 2.0 | .6 |
| LU | 2355 | 5.1 | 1.6 | MA | | | |
| 10 | 0600 | .4 | .1 | 25 | 0030 | 5.2 | 1.6 |
| | 1250 | 6.9 | 2.1 | | 0640 | 1.4 | .4 |
| TU | 1910 | 1.8 | .5 | WE | 1310 | 5.8 | 1.8 |
| MA | | | | ME | 1925 | 2.0 | .6 |
| 11 | 0045 | 5.2 | 1.6 | 26 | 0105 | 5.2 | 1.6 |
| | 0645 | .6 | .2 | | 0715 | 1.7 | .5 |
| WE | 1330 | 6.5 | 2.0 | TH | 1340 | 5.5 | 1.7 |
| ME | 1950 | 1.5 | .5 | JE | 1955 | 2.0 | .6 |
| 12 | 0135 | 5.3 | 1.6 | 27 | 0145 | 5.1 | 1.6 |
| | 0740 | 1.9 | .3 | | 0755 | 2.1 | .6 |
| TH | 1415 | 6.0 | 1.8 | FR | 1410 | 5.1 | 1.6 |
| JE | 2035 | 1.5 | .5 | VE | 2025 | 2.1 | .6 |
| 13 | 0230 | 5.3 | 1.6 | 28 | 0230 | 5.0 | 1.5 |
| | 0835 | 1.5 | .5 | | 0840 | 2.4 | .7 |
| FR | 1500 | 5.5 | 1.7 | SA | 1440 | 4.8 | 1.5 |
| VE | 2120 | 1.5 | .5 | SA | 2100 | 2.1 | .6 |
| 14 | 0330 | 5.3 | 1.6 | 29 | 0320 | 4.9 | 1.5 |
| | 0945 | 2.0 | .6 | | 0930 | 2.3 | .9 |
| SA | 1550 | 5.1 | 1.6 | SU | 1510 | 4.5 | 1.4 |
| SA | 2215 | 1.5 | .5 | DI | 2145 | 2.1 | .6 |
| 15 | 0450 | 5.3 | 1.6 | 30 | 0425 | 4.8 | 1.5 |
| | 1105 | 2.4 | .7 | | 1045 | 3.1 | .9 |
| SU | 1645 | 4.7 | 1.4 | MO | 1550 | 4.2 | 1.3 |
| DI | 2320 | 1.5 | .5 | LU | 2235 | 2.0 | .6 |
| | | | | 31 | 0555 | 4.8 | 1.5 |
| | | | | | 1215 | 3.3 | 1.0 |
| | | | | TU | 1650 | 4.0 | 1.2 |
| | | | | MA | 2340 | 1.9 | .6 |

### FEBRUARY-FEVRIER

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0715 | 5.1 | 1.6 | 16 | 0115 | 1.8 | .5 |
| | 1345 | 3.2 | 1.0 | | 0835 | 5.7 | 1.7 |
| WE | 1820 | 3.8 | 1.2 | TH | 1505 | 2.6 | .8 |
| ME | | | | JE | 2015 | 4.1 | 1.2 |
| 2 | 0050 | 1.7 | .5 | 17 | 0225 | 1.4 | .4 |
| | 0820 | 5.6 | 1.7 | | 0930 | 5.9 | 1.8 |
| TH | 1500 | 2.9 | .9 | FR | 1550 | 2.4 | .7 |
| JE | 1940 | 3.9 | 1.2 | VE | 2110 | 4.4 | 1.3 |
| 3 | 0155 | 1.4 | .4 | 18 | 0320 | 1.3 | .4 |
| | 0910 | 5.1 | 1.9 | | 1010 | 6.1 | 1.9 |
| FR | 1545 | 2.5 | .8 | SA | 1625 | 2.2 | .7 |
| VE | 2045 | 4.2 | 1.3 | SA | 2155 | 4.6 | 1.5 |
| 4 | 0250 | 1.0 | .3 | 19 | 0400 | 1.1 | .3 |
| | 0955 | 6.5 | 2.0 | | 1045 | 6.1 | 1.9 |
| SA | 1625 | 2.1 | .6 | SU | 1655 | 2.0 | .6 |
| SA | 2135 | 4.6 | 1.4 | DI | 2230 | 5.1 | 1.6 |
| 5 | 0335 | .8 | .2 | 20 | 0440 | 1.1 | .3 |
| | 1035 | 6.8 | 2.1 | | 1110 | 6.0 | 1.8 |
| SU | 1700 | 1.7 | .5 | MO | 1725 | 1.8 | .5 |
| DI | 2220 | 5.0 | 1.5 | LU | 2305 | 5.4 | 1.6 |
| 6 | 0425 | .3 | .1 | 21 | 0515 | 1.1 | .3 |
| | 1110 | 6.9 | 2.1 | | 1140 | 5.9 | 1.8 |
| MO | 1730 | 1.3 | .4 | TU | 1750 | 1.7 | .5 |
| LU | 2305 | 5.4 | 1.6 | MA | 2335 | 5.6 | 1.7 |
| 7 | 0505 | .1 | .0 | 22 | 0545 | 1.1 | .3 |
| | 1145 | 6.9 | 2.1 | | 1205 | 5.7 | 1.7 |
| TU | 1805 | 1.1 | .3 | WE | 1815 | 1.6 | .5 |
| MA | 2345 | 5.6 | 1.7 | ME | | | |
| 8 | 0550 | .2 | .1 | 23 | 0005 | 5.6 | 1.7 |
| | 1225 | 6.6 | 2.0 | | 0620 | 1.3 | .4 |
| WE | 1840 | .9 | .3 | TH | 1230 | 5.5 | 1.7 |
| ME | | | | JE | 1840 | 1.5 | .5 |
| 9 | 0030 | 5.8 | 1.8 | 24 | 0040 | 5.6 | 1.7 |
| | 0635 | .4 | .1 | | 0650 | 1.5 | .5 |
| TH | 1300 | 6.2 | 1.9 | FR | 1255 | 5.2 | 1.6 |
| JE | 1915 | .9 | .3 | VE | 1905 | 1.5 | .5 |
| 10 | 0115 | 5.6 | 1.8 | 25 | 0115 | 5.5 | 1.7 |
| | 0725 | .9 | .3 | | 0725 | 1.9 | .6 |
| FR | 1340 | 6.7 | 1.7 | SA | 1320 | 4.9 | 1.5 |
| VE | 2000 | .9 | .3 | SA | 1930 | 1.5 | .5 |
| 11 | 0210 | 5.7 | 1.7 | 26 | 0150 | 5.3 | 1.6 |
| | 0820 | 1.4 | .4 | | 0800 | 2.2 | .7 |
| SA | 1420 | 5.2 | 1.6 | SU | 1345 | 4.6 | 1.4 |
| SA | 2045 | 1.1 | .3 | DI | 2000 | 1.6 | .5 |
| 12 | 0310 | 5.5 | 1.7 | 27 | 0235 | 5.0 | 1.5 |
| | 0930 | 2.0 | .6 | | 0850 | 2.6 | .8 |
| SU | 1505 | 4.6 | 1.4 | MO | 1410 | 4.3 | 1.3 |
| DI | 2135 | 1.3 | .4 | LU | 2035 | 1.7 | .5 |
| 13 | 0425 | 5.3 | 1.6 | 28 | 0335 | 4.8 | 1.5 |
| | 1050 | 2.5 | .8 | | 0955 | 3.0 | .9 |
| MO | 1605 | 4.2 | 1.3 | TU | 1445 | 4.0 | 1.2 |
| LU | 2245 | 1.5 | .5 | MA | 2130 | 1.8 | .5 |
| 14 | 0600 | 5.3 | 1.6 | | | | |
| | 1220 | 2.8 | .9 | | | | |
| TU | 1725 | 3.9 | 1.2 | | | | |
| MA | | | | | | | |
| 15 | 0000 | 1.6 | .5 | | | | |
| | 0725 | 5.5 | 1.7 | | | | |
| WE | 1350 | 2.9 | .9 | | | | |
| ME | 1900 | 3.8 | 1.2 | | | | |

### MARCH-MARS

| Day | Time | Ht/ft | Ht/m | Jour | Heure | Ht/pi | Ht/m |
|---|---|---|---|---|---|---|---|
| 1 | 0500 | 4.7 | 1.4 | 16 | 0710 | 5.3 | 1.6 |
| | 1130 | 3.2 | 1.0 | | 1335 | 2.7 | .8 |
| WE | 1545 | 3.7 | 1.1 | TH | 1855 | 3.7 | 1.1 |
| ME | 2250 | 1.9 | .6 | JE | | | |
| 2 | 0640 | 4.9 | 1.5 | 17 | 0100 | 1.8 | .5 |
| | 1315 | 3.1 | .9 | | 0815 | 5.4 | 1.6 |
| TH | 1745 | 3.6 | 1.1 | FR | 1445 | 2.6 | .8 |
| JE | | | | VE | 2010 | 4.1 | 1.2 |
| 3 | 0015 | 1.7 | .5 | 18 | 0215 | 1.7 | .5 |
| | 0750 | 5.3 | 1.6 | | 0905 | 5.6 | 1.7 |
| FR | 1425 | 2.7 | .8 | SA | 1525 | 2.9 | .7 |
| VE | 1925 | 3.9 | 1.2 | SA | 2100 | 4.8 | 1.4 |
| 4 | 0130 | 1.4 | .4 | 19 | 0310 | 1.5 | .5 |
| | 0840 | 5.8 | 1.8 | | 0945 | 5.6 | 1.7 |
| SA | 1515 | 2.2 | .7 | SU | 1555 | 2.1 | .6 |
| SA | 2030 | 4.3 | 1.3 | DI | 2140 | 5.0 | 1.5 |
| 5 | 0230 | 1.0 | .3 | 20 | 0350 | 1.4 | .4 |
| | 0925 | 6.2 | 1.9 | | 1015 | 5.5 | 1.7 |
| SU | 1550 | 1.7 | .5 | MO | 1620 | 1.8 | .5 |
| DI | 2120 | 4.9 | 1.5 | LU | 2210 | 5.4 | 1.6 |
| 6 | 0325 | .6 | .2 | 21 | 0425 | 1.3 | .4 |
| | 1000 | 6.4 | 2.0 | | 1040 | 5.4 | 1.6 |
| MO | 1625 | 1.2 | .4 | TU | 1645 | 1.6 | .5 |
| LU | 2205 | 5.4 | 1.6 | MA | 2240 | 5.7 | 1.7 |
| 7 | 0410 | .3 | .1 | 22 | 0500 | 1.2 | .4 |
| | 1040 | 6.5 | 2.0 | | 1100 | 5.3 | 1.6 |
| TU | 1655 | .8 | .2 | WE | 1710 | 1.4 | .4 |
| MA | 2250 | 6.9 | 1.8 | ME | 2310 | 5.9 | 1.8 |
| 8 | 0455 | .1 | .0 | 23 | 0530 | 1.3 | .4 |
| | 1115 | 6.4 | 2.0 | | 1125 | 5.2 | 1.6 |
| WE | 1730 | .5 | .2 | TH | 1730 | 1.2 | .4 |
| ME | 2330 | 6.2 | 1.9 | JE | 2340 | 5.9 | 1.8 |
| 9 | 0540 | .2 | .1 | 24 | 0555 | 1.4 | .4 |
| | 1150 | 6.2 | 1.9 | | 1150 | 5.1 | 1.6 |
| TH | 1805 | .3 | .1 | FR | 1755 | 1.1 | .3 |
| JE | | | | VE | | | |
| 10 | 0015 | 6.3 | 1.9 | 25 | 0010 | 5.9 | 1.8 |
| | 0625 | .5 | .2 | | 0630 | 1.6 | .5 |
| FR | 1230 | 6.7 | 1.7 | SA | 1215 | 4.8 | 1.5 |
| VE | 1845 | .3 | .1 | SA | 1820 | 1.1 | .3 |
| 11 | 0100 | 6.3 | 1.9 | 26 | 0045 | 5.7 | 1.7 |
| | 0715 | .9 | .3 | | 0700 | 1.8 | .5 |
| SA | 1305 | 6.2 | 1.6 | SU | 1240 | 4.6 | 1.4 |
| SA | 1925 | .5 | .2 | DI | 1845 | 1.1 | .3 |
| 12 | 0150 | 6.0 | 1.8 | 27 | 0120 | 5.5 | 1.7 |
| | 0810 | 1.5 | .5 | | 0740 | 2.2 | .7 |
| SU | 1345 | 4.7 | 1.4 | MO | 1305 | 4.3 | 1.3 |
| DI | 2010 | .8 | .2 | LU | 1915 | 1.3 | .4 |
| 13 | 0250 | 5.7 | 1.7 | 28 | 0205 | 5.2 | 1.6 |
| | 0920 | 2.1 | .6 | | 0830 | 2.5 | .8 |
| MO | 1435 | 4.2 | 1.3 | TU | 1335 | 4.1 | 1.2 |
| LU | 2105 | 1.2 | .4 | MA | 1955 | 1.4 | .4 |
| 14 | 0410 | 5.4 | 1.6 | 29 | 0305 | 5.0 | 1.5 |
| | 1035 | 2.5 | .8 | | 0940 | 2.8 | .9 |
| TU | 1530 | 3.8 | 1.2 | WE | 1420 | 3.8 | 1.2 |
| MA | 2215 | 1.8 | .5 | ME | 2055 | 1.7 | .5 |
| 15 | 0540 | 5.2 | 1.6 | 30 | 0430 | 4.8 | 1.5 |
| | 1205 | 2.7 | .8 | | 1105 | 2.9 | .9 |
| WE | 1705 | 3.6 | 1.1 | TH | 1535 | 3.6 | 1.1 |
| ME | 2340 | 1.8 | .5 | JE | 2220 | 1.8 | .5 |
| | | | | 31 | 0600 | 4.9 | 1.5 |
| | | | | | 1225 | 2.7 | .8 |
| | | | | FR | 1735 | 3.7 | 1.1 |
| | | | | VE | 2350 | 1.7 | .5 |

V-2

## TABLE DES MARÉES

## HARRINGTON-HARBOUR (HNA 2-4)

1989

### APRIL-AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0705 | 5.2 | 1.6 | 16 | 0155 | 1.9 | .6 |
| | 1330 | 2.4 | .7 | | 0825 | 5.0 | 1.5 |
| SA | 1905 | 4.1 | 1.2 | SU | 1435 | 2.3 | .7 |
| SA | | | | DI | 2035 | 4.8 | 1.5 |
| 2 | 0110 | 1.5 | .5 | 17 | 0250 | 1.8 | .5 |
| | 0800 | 5.5 | 1.7 | | 0900 | 5.0 | 1.5 |
| SU | 1425 | 1.8 | .6 | MO | 1505 | 2.0 | .6 |
| DI | 2010 | 4.7 | 1.4 | LU | 2115 | 5.2 | 1.6 |
| 3 | 0215 | 1.1 | .3 | 18 | 0330 | 1.7 | .5 |
| | 0845 | 5.8 | 1.8 | | 0930 | 4.9 | 1.5 |
| MO | 1505 | 1.3 | .4 | TU | 1535 | 1.7 | .5 |
| LU | 2100 | 5.3 | 1.6 | MA | 2145 | 5.6 | 1.7 |
| 4 | 0310 | .8 | .2 | 19 | 0405 | 1.8 | .5 |
| | 0925 | 5.9 | 1.8 | | 0955 | 4.9 | 1.5 |
| TU | 1545 | .8 | .2 | WE | 1600 | 1.4 | .4 |
| MA | 2145 | 5.9 | 1.8 | ME | 2215 | 5.9 | 1.8 |
| 5 | 0355 | .5 | .2 | 20 | *0435 | 1.6 | .5 |
| | 1005 | 5.9 | 1.8 | | 1020 | 4.9 | 1.5 |
| WE | 1620 | .4 | .1 | TH | 1625 | 1.2 | .4 |
| ME | 2230 | 6.3 | 1.9 | JE | 2245 | 6.0 | 1.8 |
| 6 | 0440 | .4 | .1 | 21 | 0505 | 1.6 | .5 |
| | 1040 | 5.8 | 1.8 | | 1045 | 4.8 | 1.5 |
| TH | 1655 | .1 | .0 | FR | 1650 | 1.0 | .3 |
| JE | 2315 | 6.6 | 2.0 | VE | 2320 | 6.1 | 1.9 |
| 7 | 0530 | .5 | .2 | 22 | 0540 | 1.6 | .5 |
| | 1120 | 5.6 | 1.7 | | 1110 | 4.7 | 1.4 |
| FR | 1735 | .0 | .0 | SA | 1715 | .9 | .3 |
| VE | | | | SA | 2350 | 6.0 | 1.8 |
| 8 | 0000 | 6.7 | 2.0 | 23 | 0610 | 1.8 | .5 |
| | 0615 | .8 | .2 | | 1140 | 4.5 | 1.4 |
| SA | 1200 | 5.2 | 1.6 | SU | 1740 | .8 | .2 |
| SA | 1810 | .1 | .0 | DI | | | |
| 9 | 0045 | 6.5 | 2.0 | 24 | 0025 | 5.9 | 1.8 |
| | 0705 | 1.2 | .4 | | 0650 | 2.0 | .6 |
| SU | 1240 | 4.8 | 1.5 | MO | 1210 | 4.3 | 1.3 |
| DI | 1855 | .4 | .1 | LU | 1815 | .9 | .3 |
| 10 | 0140 | 6.2 | 1.9 | 25 | 0105 | 5.7 | 1.7 |
| | 0805 | 1.7 | .5 | | 0735 | 2.3 | .7 |
| MO | 1325 | 4.3 | 1.3 | TU | 1240 | 4.1 | 1.2 |
| LU | 1940 | .8 | .2 | MA | 1850 | 1.1 | .3 |
| 11 | 0240 | 5.8 | 1.8 | 26 | 0155 | 5.4 | 1.6 |
| | 0910 | 2.1 | .6 | | 0830 | 2.6 | .8 |
| TU | 1410 | 4.0 | 1.2 | WE | 1325 | 4.0 | 1.2 |
| MA | 2035 | 1.2 | .4 | ME | 1940 | 1.3 | .4 |
| 12 | 0355 | 5.5 | 1.7 | 27 | 0255 | 5.2 | 1.6 |
| | 1025 | 2.4 | .7 | | 0935 | 2.8 | .8 |
| WE | 1515 | 3.7 | 1.1 | TH | 1420 | 3.8 | 1.2 |
| ME | 2150 | 1.7 | .5 | JE | 2045 | 1.8 | .5 |
| 13 | 0515 | 5.2 | 1.6 | 28 | 0410 | 5.1 | 1.6 |
| | 1140 | 2.6 | .8 | | 1035 | 2.6 | .8 |
| TH | 1655 | 3.6 | 1.1 | FR | 1545 | 3.8 | 1.2 |
| JE | 2315 | 1.9 | .6 | VE | 2210 | 1.7 | .5 |
| 14 | 0635 | 5.1 | 1.6 | 29 | 0515 | 5.1 | 1.6 |
| | 1250 | 2.6 | .8 | | 1140 | 2.3 | .7 |
| FR | 1835 | 3.9 | 1.2 | SA | 1720 | 4.1 | 1.2 |
| VE | | | | SA | 2330 | 1.7 | .5 |
| 15 | 0045 | 2.0 | .6 | 30 | 0615 | 5.2 | 1.6 |
| | 0740 | 5.0 | 1.5 | | 1235 | 2.0 | .6 |
| SA | 1355 | 2.5 | .8 | SU | 1840 | 4.6 | 1.4 |
| SA | 1945 | 4.3 | 1.3 | DI | | | |

### MAY-MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0045 | 1.6 | .5 | 16 | 0215 | 2.2 | .7 |
| | 0710 | 5.3 | 1.6 | | 0805 | 4.6 | 1.4 |
| MO | 1330 | 1.5 | .5 | TU | 1410 | 2.0 | .6 |
| LU | 1940 | 5.1 | 1.6 | MA | 2040 | 5.3 | 1.6 |
| 2 | 0150 | 1.4 | .4 | 17 | 0300 | 2.2 | .7 |
| | 0800 | 5.3 | 1.6 | | 0835 | 4.5 | 1.4 |
| TU | 1420 | 1.1 | .3 | WE | 1445 | 1.7 | .5 |
| MA | 2035 | 5.7 | 1.7 | ME | 2115 | 5.6 | 1.7 |
| 3 | 0250 | 1.2 | .4 | 18 | 0340 | 2.1 | .6 |
| | 0845 | 5.4 | 1.6 | | 0905 | 4.5 | 1.4 |
| WE | 1505 | .8 | .2 | TH | 1515 | 1.4 | .4 |
| ME | 2125 | 6.2 | 1.9 | JE | 2150 | 5.9 | 1.8 |
| 4 | 0340 | 1.0 | .3 | 19 | 0415 | 2.0 | .6 |
| | 0930 | 5.3 | 1.6 | | 0935 | 4.5 | 1.4 |
| TH | 1545 | .3 | .1 | FR | 1545 | 1.1 | .3 |
| JE | 2215 | 6.6 | 2.0 | VE | 2225 | 6.1 | 1.9 |
| 5 | 0430 | .9 | .3 | 20 | 0450 | 2.0 | .6 |
| | 1015 | 5.2 | 1.6 | | 1010 | 4.5 | 1.4 |
| FR | 1625 | .1 | .0 | SA | 1615 | .9 | .3 |
| VE | 2300 | 6.8 | 2.1 | SA | 2300 | 6.2 | 1.9 |
| 6 | 0520 | 1.0 | .3 | 21 | 0525 | 2.0 | .6 |
| | 1055 | 5.0 | 1.5 | | 1040 | 4.4 | 1.3 |
| SA | 1705 | .1 | .0 | SU | 1645 | .8 | .2 |
| SA | 2345 | 6.8 | 2.1 | DI | 2340 | 6.2 | 1.9 |
| 7 | 0610 | 1.2 | .4 | 22 | 0605 | 2.1 | .6 |
| | 1140 | 4.8 | 1.5 | | 1115 | 4.3 | 1.3 |
| SU | 1750 | .2 | .1 | MO | 1720 | .7 | .2 |
| DI | | | | LU | | | |
| 8 | 0035 | 6.6 | 2.0 | 23 | 0020 | 6.1 | 1.9 |
| | 0700 | 1.5 | .5 | | 0650 | 2.2 | .7 |
| MO | 1220 | 4.5 | 1.4 | TU | 1155 | 4.3 | 1.3 |
| LU | 1830 | .6 | .2 | MA | 1800 | .8 | .2 |
| 9 | 0130 | 6.3 | 1.9 | 24 | 0105 | 5.9 | 1.8 |
| | 0800 | 1.8 | .5 | | 0735 | 2.2 | .7 |
| TU | 1310 | 4.2 | 1.3 | WE | 1235 | 4.2 | 1.3 |
| MA | 1920 | .9 | .3 | ME | 1845 | .9 | .3 |
| 10 | 0230 | 6.0 | 1.8 | 25 | 0155 | 5.7 | 1.7 |
| | 0900 | 2.1 | .6 | | 0825 | 2.3 | .7 |
| WE | 1400 | 4.0 | 1.2 | TH | 1330 | 4.2 | 1.3 |
| ME | 2020 | 1.4 | .4 | JE | 1935 | 1.2 | .4 |
| 11 | 0330 | 5.6 | 1.7 | 26 | 0245 | 5.5 | 1.7 |
| | 1000 | 2.4 | .7 | | 0915 | 2.2 | .7 |
| TH | 1505 | 3.9 | 1.2 | FR | 1430 | 4.2 | 1.3 |
| JE | 2130 | 1.8 | .5 | VE | 2040 | 1.4 | .4 |
| 12 | 0440 | 5.2 | 1.6 | 27 | 0340 | 5.4 | 1.6 |
| | 1100 | 2.5 | .8 | | 1005 | 2.1 | .6 |
| FR | 1625 | 4.0 | 1.2 | SA | 1540 | 4.4 | 1.3 |
| VE | 2250 | 2.1 | .6 | SA | 2155 | 1.6 | .5 |
| 13 | 0545 | 5.0 | 1.5 | 28 | 0435 | 5.2 | 1.6 |
| | 1155 | 2.5 | .8 | | 1055 | 1.9 | .6 |
| SA | 1750 | 4.2 | 1.3 | SU | 1655 | 4.8 | 1.4 |
| SA | | | | DI | 2305 | 1.7 | .5 |
| 14 | 0010 | 2.2 | .7 | 29 | 0530 | 5.1 | 1.6 |
| | 0640 | 4.8 | 1.5 | | 1150 | 1.6 | .5 |
| SU | 1245 | 2.4 | .7 | MO | 1805 | 5.0 | 1.5 |
| DI | 1900 | 4.6 | 1.4 | LU | | | |
| 15 | 0120 | 2.3 | .7 | 30 | 0020 | 1.8 | .5 |
| | 0725 | 4.6 | 1.4 | | 0625 | 5.0 | 1.5 |
| MO | 1330 | 2.2 | .7 | TU | 1245 | 1.3 | .4 |
| LU | 1955 | 5.0 | 1.5 | MA | 1915 | 5.4 | 1.6 |
| | | | | 31 | 0130 | 1.8 | .5 |
| | | | | | 0720 | 5.0 | 1.5 |
| | | | | WE | 1340 | 1.0 | .3 |
| | | | | ME | 2015 | 5.9 | 1.8 |

### JUNE-JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0230 | 1.7 | .5 | 16 | 0310 | 2.5 | .8 |
| | 0810 | 4.9 | 1.5 | | 0820 | 4.3 | 1.3 |
| TH | 1430 | .7 | .2 | FR | 1430 | 1.4 | .4 |
| JE | 2110 | 6.3 | 1.9 | VE | 2130 | 5.8 | 1.8 |
| 2 | 0330 | 1.6 | .5 | 17 | 0355 | 2.4 | .7 |
| | 0900 | 4.9 | 1.5 | | 0900 | 4.3 | 1.3 |
| FR | 1520 | .4 | .1 | SA | 1510 | 1.2 | .4 |
| VE | 2200 | 6.6 | 2.0 | SA | 2210 | 6.1 | 1.9 |
| 3 | 0420 | 1.5 | .5 | 18 | 0435 | 2.3 | .7 |
| | 0950 | 4.8 | 1.5 | | 0940 | 4.3 | 1.3 |
| SA | 1605 | .3 | .1 | SU | 1550 | .9 | .3 |
| SA | 2250 | 6.7 | 2.0 | DI | 2250 | 6.2 | 1.9 |
| 4 | 0515 | 1.5 | .5 | 19 | 0520 | 2.2 | .7 |
| | 1040 | 4.7 | 1.4 | | 1025 | 4.3 | 1.3 |
| SU | 1650 | .3 | .1 | MO | 1630 | .7 | .2 |
| DI | 2340 | 6.7 | 2.0 | LU | 2330 | 6.3 | 1.9 |
| 5 | 0605 | 1.6 | .5 | 20 | 0600 | 2.1 | .6 |
| | 1125 | 4.7 | 1.4 | | 1105 | 4.4 | 1.3 |
| MO | 1735 | .4 | .1 | TU | 1710 | .8 | .2 |
| LU | | | | MA | | | |
| 6 | 0030 | 6.6 | 2.0 | 21 | 0015 | 6.3 | 1.9 |
| | 0655 | 1.7 | .5 | | 0640 | 2.1 | .6 |
| TU | 1210 | 4.6 | 1.4 | WE | 1150 | 4.6 | 1.4 |
| MA | 1820 | .7 | .2 | ME | 1755 | .8 | .2 |
| 7 | 0120 | 6.4 | 2.0 | 22 | 0055 | 6.2 | 1.9 |
| | 0745 | 1.9 | .6 | | 0720 | 2.0 | .6 |
| WE | 1255 | 4.5 | 1.4 | TH | 1235 | 4.6 | 1.4 |
| ME | 1910 | 1.0 | .3 | JE | 1840 | .7 | .2 |
| 8 | 0210 | 6.0 | 1.8 | 23 | 0140 | 6.1 | 1.9 |
| | 0835 | 2.1 | .6 | | 0800 | 1.9 | .6 |
| TH | 1350 | 4.4 | 1.3 | FR | 1325 | 4.7 | 1.4 |
| JE | 2005 | 1.4 | .4 | VE | 1935 | .9 | .3 |
| 9 | 0305 | 5.6 | 1.7 | 24 | 0225 | 5.8 | 1.8 |
| | 0920 | 2.3 | .7 | | 0845 | 1.8 | .5 |
| FR | 1445 | 4.4 | 1.3 | SA | 1420 | 4.8 | 1.5 |
| VE | 2105 | 1.8 | .5 | SA | 2030 | 1.2 | .4 |
| 10 | 0355 | 5.2 | 1.6 | 25 | 0310 | 5.5 | 1.7 |
| | 1010 | 2.4 | .7 | | 0930 | 1.7 | .5 |
| SA | 1545 | 4.4 | 1.3 | SU | 1520 | 5.0 | 1.5 |
| SA | 2215 | 2.2 | .7 | DI | 2135 | 1.5 | .5 |
| 11 | 0445 | 4.9 | 1.5 | 26 | 0355 | 5.2 | 1.6 |
| | 1055 | 2.4 | .7 | | 1015 | 1.5 | .5 |
| SU | 1655 | 4.5 | 1.4 | MO | 1630 | 5.1 | 1.6 |
| DI | 2320 | 2.4 | .7 | LU | 2240 | 1.8 | .5 |
| 12 | 0530 | 4.6 | 1.4 | 27 | 0450 | 5.0 | 1.5 |
| | 1140 | 2.3 | .7 | | 1110 | 1.4 | .4 |
| MO | 1805 | 4.7 | 1.4 | TU | 1740 | 5.3 | 1.6 |
| LU | | | | MA | 2355 | 2.0 | .6 |
| 13 | 0030 | 2.6 | .8 | 28 | 0545 | 4.7 | 1.4 |
| | 0615 | 4.4 | 1.3 | | 1205 | 1.2 | .4 |
| TU | 1225 | 2.2 | .7 | WE | 1855 | 5.5 | 1.7 |
| MA | 1905 | 5.0 | 1.5 | ME | | | |
| 14 | 0130 | 2.6 | .8 | 29 | 0110 | 2.2 | .7 |
| | 0655 | 4.3 | 1.3 | | 0645 | 4.6 | 1.4 |
| WE | 1310 | 2.0 | .6 | TH | 1310 | 1.1 | .3 |
| ME | 2000 | 5.3 | 1.6 | JE | 2000 | 5.6 | 1.8 |
| 15 | 0220 | 2.6 | .8 | 30 | 0220 | 2.1 | .6 |
| | 0735 | 4.3 | 1.3 | | 0745 | 4.6 | 1.4 |
| TH | 1350 | 1.7 | .5 | FR | 1405 | .9 | .3 |
| JE | 2045 | 5.5 | 1.7 | VE | 2100 | 6.2 | 1.9 |

V-2

# HARRINGTON-HARBOUR (AST 4)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0320 | 2.1 | .6 | 16 | 0340 | 2.7 | .8 |
| | 0845 | 4.8 | 1.4 | | 0835 | 4.1 | 1.2 |
| SA | 1500 | .7 | .2 | SU | 1445 | 1.2 | .4 |
| SA | 2155 | 6.4 | 2.0 | DI | 2155 | 6.1 | 1.9 |
| 2 | 0420 | 2.0 | .6 | 17 | 0425 | 2.4 | .7 |
| | 0940 | 4.6 | 1.4 | | 0930 | 4.3 | 1.3 |
| SU | 1550 | .8 | .2 | MO | 1535 | .9 | .3 |
| DI | 2245 | 6.6 | 2.0 | LU | 2235 | 6.3 | 1.9 |
| 3 | 0510 | 1.9 | .6 | 18 | 0505 | 2.2 | .7 |
| | 1030 | 4.7 | 1.4 | | 1015 | 4.5 | 1.4 |
| MO | 1640 | .8 | .2 | TU | 1620 | .7 | .2 |
| LU | 2330 | 6.6 | 2.0 | MA | 2315 | 6.5 | 2.0 |
| 4 | 0555 | 1.8 | .5 | 19 | 0540 | 1.9 | .6 |
| | 1115 | 4.8 | 1.5 | | 1100 | 4.8 | 1.5 |
| TU | 1725 | .7 | .2 | WE | 1700 | .5 | .2 |
| MA | | | | ME | 2355 | 6.6 | 2.0 |
| 5 | 0015 | 6.5 | 2.0 | 20 | 0615 | 1.7 | .5 |
| | 0635 | 1.9 | .6 | | 1140 | 5.0 | 1.5 |
| WE | 1200 | 4.9 | 1.5 | TH | 1745 | .4 | .1 |
| ME | 1810 | .9 | .3 | JE | | | |
| 6 | 0100 | 6.2 | 1.9 | 21 | 0035 | 6.4 | 2.0 |
| | 0715 | 2.0 | .6 | | 0650 | 1.6 | .5 |
| TH | 1240 | 4.9 | 1.5 | FR | 1225 | 5.2 | 1.6 |
| JE | 1855 | 1.1 | .3 | VE | 1830 | .5 | .2 |
| 7 | 0140 | 5.9 | 1.8 | 22 | 0110 | 6.2 | 1.9 |
| | 0755 | 2.1 | .6 | | 0725 | 1.4 | .4 |
| FR | 1325 | 4.9 | 1.5 | SA | 1310 | 5.4 | 1.6 |
| VE | 1940 | 1.5 | .5 | SA | 1920 | .8 | .2 |
| 8 | 0220 | 5.5 | 1.7 | 23 | 0150 | 5.9 | 1.8 |
| | 0835 | 2.1 | .6 | | 0805 | 1.3 | .4 |
| SA | 1410 | 4.9 | 1.5 | SU | 1400 | 5.4 | 1.6 |
| SA | 2030 | 1.9 | .6 | DI | 2015 | 1.2 | .4 |
| 9 | 0300 | 5.1 | 1.6 | 24 | 0230 | 5.5 | 1.7 |
| | 0915 | 2.2 | .7 | | 0850 | 1.3 | .4 |
| SU | 1500 | 4.8 | 1.5 | MO | 1500 | 5.4 | 1.6 |
| DI | 2125 | 2.2 | .7 | LU | 2115 | 1.6 | .5 |
| 10 | 0340 | 4.8 | 1.5 | 25 | 0315 | 5.1 | 1.6 |
| | 0955 | 2.2 | .7 | | 0940 | 1.3 | .4 |
| MO | 1600 | 4.8 | 1.5 | TU | 1605 | 5.4 | 1.6 |
| LU | 2225 | 2.5 | .8 | MA | 2220 | 2.0 | .6 |
| 11 | 0420 | 4.5 | 1.4 | 26 | 0410 | 4.7 | 1.4 |
| | 1035 | 2.2 | .7 | | 1035 | 1.3 | .4 |
| TU | 1700 | 4.8 | 1.5 | WE | 1720 | 5.4 | 1.6 |
| MA | 2330 | 2.8 | .9 | ME | 2340 | 2.3 | .7 |
| 12 | 0500 | 4.3 | 1.3 | 27 | 0510 | 4.4 | 1.3 |
| | 1120 | 2.1 | .6 | | 1140 | 1.3 | .4 |
| WE | 1810 | 4.9 | 1.5 | TH | 1840 | 5.5 | 1.7 |
| ME | | | | JE | | | |
| 13 | 0035 | 2.9 | .9 | 28 | 0100 | 2.5 | .8 |
| | 0545 | 4.1 | 1.2 | | 0620 | 4.2 | 1.3 |
| TH | 1210 | 2.0 | .6 | FR | 1250 | 1.3 | .4 |
| JE | 1920 | 5.1 | 1.6 | VE | 1955 | 5.7 | 1.7 |
| 14 | 0145 | 3.0 | .9 | 29 | 0215 | 2.5 | .8 |
| | 0640 | 4.1 | 1.2 | | 0735 | 4.3 | 1.3 |
| FR | 1305 | 1.8 | .5 | SA | 1355 | 1.2 | .4 |
| VE | 2020 | 6.4 | 1.6 | SA | 2100 | 6.0 | 1.8 |
| 15 | 0245 | 2.9 | .9 | 30 | 0320 | 2.4 | .7 |
| | 0740 | 4.0 | 1.2 | | 0840 | 4.4 | 1.3 |
| SA | 1355 | 1.5 | .5 | SU | 1455 | 1.0 | .3 |
| SA | 2110 | 5.7 | 1.7 | DI | 2155 | 6.2 | 1.9 |
| | | | | 31 | 0410 | 2.2 | .7 |
| | | | | | 0935 | 4.7 | 1.4 |
| | | | | MO | 1545 | .9 | .3 |
| | | | | LU | 2240 | 6.3 | 1.9 |

### AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0455 | 2.0 | .6 | 16 | 0435 | 1.8 | .6 |
| | 1020 | 4.9 | 1.5 | | 1000 | 5.0 | 1.5 |
| TU | 1635 | .8 | .3 | WE | 1605 | .6 | .2 |
| MA | 2320 | 6.3 | 1.9 | ME | 2250 | 6.6 | 2.0 |
| 2 | 0535 | 1.9 | .6 | 17 | 0510 | 1.6 | .5 |
| | 1105 | 5.1 | 1.6 | | 1045 | 5.4 | 1.6 |
| WE | 1715 | .9 | .3 | TH | 1650 | .4 | .1 |
| ME | 2355 | 6.2 | 1.9 | JE | 2325 | 6.6 | 2.0 |
| 3 | 0605 | 1.9 | .6 | 18 | 0540 | 1.2 | .4 |
| | 1140 | 5.3 | 1.6 | | 1125 | 5.7 | 1.7 |
| TH | 1755 | 1.0 | .3 | FR | 1730 | .3 | .1 |
| JE | | | | VE | | | |
| 4 | 0030 | 6.0 | 1.8 | 19 | 0000 | 6.4 | 2.0 |
| | 0640 | 1.9 | .6 | | 0615 | 1.0 | .3 |
| FR | 1220 | 5.4 | 1.6 | SA | 1210 | 5.9 | 1.8 |
| VE | 1835 | 1.2 | .4 | SA | 1815 | .6 | .2 |
| 5 | 0100 | 5.7 | 1.7 | 20 | 0035 | 6.1 | 1.9 |
| | 0710 | 1.9 | .6 | | 0650 | .9 | .3 |
| SA | 1255 | 5.4 | 1.6 | SU | 1255 | 6.0 | 1.8 |
| SA | 1915 | 1.5 | .5 | DI | 1905 | .8 | .2 |
| 6 | 0135 | 5.3 | 1.6 | 21 | 0115 | 5.7 | 1.7 |
| | 0740 | 1.9 | .6 | | 0730 | .9 | .3 |
| SU | 1335 | 5.3 | 1.6 | MO | 1340 | 5.9 | 1.8 |
| DI | 1955 | 1.9 | .6 | LU | 1955 | 1.3 | .4 |
| 7 | 0205 | 5.0 | 1.5 | 22 | 0155 | 5.2 | 1.6 |
| | 0815 | 2.0 | .6 | | 0810 | .9 | .3 |
| MO | 1420 | 5.2 | 1.6 | TU | 1440 | 5.8 | 1.8 |
| LU | 2040 | 2.2 | .7 | MA | 2100 | 1.8 | .5 |
| 8 | 0235 | 4.7 | 1.4 | 23 | 0240 | 4.8 | 1.5 |
| | 0845 | 2.0 | .6 | | 0905 | 1.1 | .3 |
| TU | 1505 | 5.0 | 1.5 | WE | 1545 | 5.5 | 1.7 |
| MA | 2130 | 2.6 | .8 | ME | 2210 | 2.3 | .7 |
| 9 | 0305 | 4.4 | 1.3 | 24 | 0330 | 4.4 | 1.3 |
| | 0925 | 2.1 | .6 | | 1005 | 1.3 | .4 |
| WE | 1605 | 4.9 | 1.5 | TH | 1710 | 5.4 | 1.6 |
| ME | 2230 | 2.9 | .9 | JE | 2330 | 2.6 | .8 |
| 10 | 0340 | 4.2 | 1.3 | 25 | 0445 | 4.1 | 1.2 |
| | 1015 | 2.1 | .6 | | 1120 | 1.5 | .5 |
| TH | 1720 | 4.8 | 1.5 | FR | 1840 | 5.5 | 1.7 |
| JE | 2345 | 3.1 | .9 | VE | | | |
| 11 | 0435 | 4.0 | 1.2 | 26 | 0055 | 2.7 | .8 |
| | 1115 | 2.0 | .6 | | 0610 | 4.0 | 1.2 |
| FR | 1845 | 5.0 | 1.5 | SA | 1235 | 1.5 | .5 |
| VE | | | | SA | 1955 | 5.6 | 1.7 |
| 12 | 0110 | 3.2 | 1.0 | 27 | 0215 | 2.7 | .8 |
| | 0550 | 3.9 | 1.2 | | 0735 | 4.2 | 1.3 |
| SA | 1225 | 1.9 | .6 | SU | 1350 | 1.5 | .5 |
| SA | 1955 | 6.3 | 1.6 | DI | 2055 | 6.8 | 1.8 |
| 13 | 0225 | 3.0 | .9 | 28 | 0315 | 2.5 | .8 |
| | 0715 | 3.9 | 1.2 | | 0840 | 4.6 | 1.4 |
| SU | 1330 | 1.7 | .5 | MO | 1450 | 1.3 | .4 |
| DI | 2050 | 5.7 | 1.7 | LU | 2140 | 6.0 | 1.8 |
| 14 | 0320 | 2.7 | .8 | 29 | 0355 | 2.3 | .7 |
| | 0820 | 4.2 | 1.3 | | 0930 | 4.9 | 1.5 |
| MO | 1430 | 1.5 | .4 | TU | 1540 | 1.2 | .4 |
| LU | 2135 | 6.1 | 1.9 | MA | 2220 | 6.0 | 1.8 |
| 15 | 0405 | 2.5 | .7 | 30 | 0430 | 2.1 | .6 |
| | 0915 | 4.5 | 1.4 | | 1010 | 5.3 | 1.6 |
| TU | 1520 | .9 | .3 | WE | 1625 | 1.1 | .3 |
| MA | 2210 | 6.4 | 2.0 | ME | 2255 | 5.9 | 1.8 |
| | | | | 31 | 0500 | 1.9 | .6 |
| | | | | | 1045 | 5.8 | 1.7 |
| | | | | TH | 1700 | 1.1 | .3 |
| | | | | JE | 2325 | 5.8 | 1.8 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0530 | 1.8 | .5 | 16 | 0505 | .7 | .2 |
| | 1120 | 5.7 | 1.7 | | 1105 | 6.4 | 2.0 |
| FR | 1735 | 1.2 | .4 | SA | 1715 | .5 | .2 |
| VE | 2350 | 5.6 | 1.7 | SA | 2325 | 6.2 | 1.9 |
| 2 | 0555 | 1.7 | .5 | 17 | 0540 | .5 | .2 |
| | 1155 | 5.8 | 1.8 | | 1150 | 6.5 | 2.0 |
| SA | 1810 | 1.4 | .4 | SU | 1800 | .7 | .2 |
| SA | | | | DI | | | |
| 3 | 0015 | 6.4 | 1.6 | 18 | 0000 | 5.8 | 1.8 |
| | 0625 | 1.6 | .5 | | 0615 | .4 | .1 |
| SU | 1225 | 5.8 | 1.8 | MO | 1235 | 6.5 | 2.0 |
| DI | 1845 | 1.7 | .5 | LU | 1850 | 1.1 | .3 |
| 4 | 0040 | 6.2 | 1.6 | 19 | 0040 | 5.4 | 1.6 |
| | 0650 | 1.6 | .5 | | 0655 | .5 | .2 |
| MO | 1300 | 5.6 | 1.7 | TU | 1325 | 6.3 | 1.9 |
| LU | 1915 | 2.0 | .6 | MA | 1945 | 1.6 | .5 |
| 5 | 0105 | 4.9 | 1.5 | 20 | 0120 | 5.0 | 1.5 |
| | 0715 | 1.7 | .5 | | 0740 | .8 | .2 |
| TU | 1340 | 5.4 | 1.6 | WE | 1425 | 6.0 | 1.8 |
| MA | 1955 | 2.3 | .7 | ME | 2045 | 2.1 | .6 |
| 6 | 0135 | 4.6 | 1.4 | 21 | 0205 | 4.5 | 1.4 |
| | 0745 | 1.8 | .5 | | 0835 | 1.1 | .3 |
| WE | 1420 | 5.2 | 1.6 | TH | 1535 | 5.7 | 1.7 |
| ME | 2040 | 2.7 | .8 | JE | 2200 | 2.5 | .8 |
| 7 | 0205 | 4.4 | 1.3 | 22 | 0305 | 4.2 | 1.3 |
| | 0820 | 1.9 | .6 | | 0940 | 1.5 | .5 |
| TH | 1520 | 5.0 | 1.5 | FR | 1700 | 5.5 | 1.7 |
| JE | 2145 | 3.0 | .9 | VE | 2320 | 2.8 | .9 |
| 8 | 0240 | 4.1 | 1.2 | 23 | 0430 | 3.9 | 1.2 |
| | 0915 | 2.0 | .6 | | 1105 | 1.8 | .5 |
| FR | 1640 | 4.8 | 1.5 | SA | 1830 | 5.5 | 1.7 |
| VE | 2310 | 3.2 | 1.0 | SA | | | |
| 9 | 0335 | 3.9 | 1.2 | 24 | 0045 | 2.8 | .9 |
| | 1030 | 2.1 | .6 | | 0610 | 4.0 | 1.2 |
| SA | 1815 | 5.0 | 1.5 | SU | 1225 | 1.8 | .5 |
| SA | | | | DI | 1940 | 5.6 | 1.7 |
| 10 | 0040 | 3.2 | 1.0 | 25 | 0155 | 2.7 | .8 |
| | 0520 | 3.8 | 1.2 | | 0735 | 4.4 | 1.3 |
| SU | 1155 | 2.0 | .6 | MO | 1345 | 1.8 | .5 |
| DI | 1925 | 5.3 | 1.6 | LU | 2035 | 5.6 | 1.7 |
| 11 | 0155 | 2.9 | .9 | 26 | 0250 | 2.5 | .8 |
| | 0700 | 4.0 | 1.2 | | 0835 | 4.8 | 1.5 |
| MO | 1305 | 1.8 | .5 | TU | 1445 | 1.7 | .5 |
| LU | 2015 | 5.7 | 1.7 | MA | 2115 | 5.6 | 1.7 |
| 12 | 0245 | 2.5 | .8 | 27 | 0325 | 2.3 | .7 |
| | 0805 | 4.4 | 1.3 | | 0915 | 5.3 | 1.6 |
| TU | 1410 | 1.4 | .4 | WE | 1530 | 1.6 | .5 |
| MA | 2100 | 6.0 | 1.8 | ME | 2150 | 5.6 | 1.7 |
| 13 | 0325 | 2.0 | .6 | 28 | 0355 | 2.0 | .6 |
| | 0900 | 5.0 | 1.5 | | 0955 | 5.7 | 1.7 |
| WE | 1500 | 1.0 | .3 | TH | 1610 | 1.5 | .5 |
| ME | 2135 | 6.3 | 1.9 | JE | 2220 | 5.5 | 1.7 |
| 14 | 0355 | 1.8 | .5 | 29 | 0425 | 1.8 | .5 |
| | 0940 | 5.5 | 1.7 | | 1025 | 5.9 | 1.8 |
| TH | 1550 | .7 | .2 | FR | 1645 | 1.5 | .5 |
| JE | 2215 | 6.4 | 2.0 | VE | 2245 | 5.4 | 1.6 |
| 15 | 0430 | 1.1 | .3 | 30 | 0450 | 1.6 | .5 |
| | 1025 | 6.0 | 1.8 | | 1055 | 6.1 | 1.9 |
| FR | 1635 | .5 | .2 | SA | 1715 | 1.6 | .5 |
| VE | 2250 | 6.4 | 2.0 | SA | 2305 | 6.3 | 1.6 |

V-2

## TABLE DES MARÉES

# HARRINGTON-HARBOUR (HNA)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0515 | 1.4 | .4 | 16 | 0505 | .2 | .1 |
| | 1125 | 6.2 | 1.9 | | 1135 | 7.0 | 2.1 |
| SU | 1745 | 1.7 | .5 | MO | 1750 | 1.1 | .3 |
| DI | 2330 | 6.2 | 1.6 | LU | 2330 | 6.5 | 1.7 |
| 2 | 0540 | 1.3 | .4 | 17 | 0545 | .2 | .1 |
| | 1200 | 6.1 | 1.9 | | 1220 | 6.9 | 2.1 |
| MO | 1815 | 1.9 | .6 | TU | 1840 | 1.4 | .4 |
| LU | 2355 | 5.0 | 1.5 | MA | | | |
| 3 | 0600 | 1.3 | .4 | 18 | 0015 | 5.2 | 1.6 |
| | 1230 | 5.9 | 1.8 | | 0625 | .4 | .1 |
| TU | 1850 | 2.2 | .7 | WE | 1310 | 6.7 | 2.0 |
| MA | | | | ME | 1935 | 1.8 | .5 |
| 4 | 0020 | 4.8 | 1.5 | 19 | 0055 | 4.8 | 1.5 |
| | 0630 | 1.4 | .4 | | 0715 | .6 | .2 |
| WE | 1310 | 5.7 | 1.7 | TH | 1410 | 6.3 | 1.9 |
| ME | 1925 | 2.5 | .8 | JE | 2040 | 2.3 | .7 |
| 5 | 0050 | 4.6 | 1.4 | 20 | 0145 | 4.4 | 1.3 |
| | 0700 | 1.6 | .5 | | 0810 | 1.2 | .4 |
| TH | 1350 | 5.4 | 1.6 | FR | 1525 | 5.9 | 1.8 |
| JE | 2015 | 2.8 | .9 | VE | 2150 | 2.6 | .8 |
| 6 | 0120 | 4.3 | 1.3 | 21 | 0250 | 4.1 | 1.2 |
| | 0735 | 1.8 | .5 | | 0920 | 1.7 | .5 |
| FR | 1450 | 5.1 | 1.6 | SA | 1640 | 5.6 | 1.7 |
| VE | 2125 | 3.1 | .9 | SA | 2305 | 2.6 | .9 |
| 7 | 0200 | 4.1 | 1.2 | 22 | 0420 | 4.0 | 1.2 |
| | 0835 | 2.0 | .6 | | 1045 | 2.0 | .6 |
| SA | 1610 | 5.0 | 1.5 | SU | 1800 | 5.5 | 1.7 |
| SA | 2245 | 3.2 | 1.0 | DI | | | |
| 8 | 0310 | 3.9 | 1.2 | 23 | 0015 | 2.6 | .9 |
| | 0955 | 2.2 | .7 | | 0600 | 4.2 | 1.3 |
| SU | 1735 | 5.1 | 1.6 | MO | 1210 | 2.2 | .7 |
| DI | | | | LU | 1910 | 5.4 | 1.6 |
| 9 | 0000 | 3.1 | .9 | 24 | 0120 | 2.7 | .8 |
| | 0510 | 3.9 | 1.2 | | 0720 | 4.7 | 1.4 |
| MO | 1125 | 2.1 | .6 | TU | 1330 | 2.2 | .7 |
| LU | 1840 | 5.3 | 1.6 | MA | 2000 | 5.3 | 1.6 |
| 10 | 0105 | 2.7 | .8 | 25 | 0210 | 2.6 | .8 |
| | 0640 | 4.3 | 1.3 | | 0815 | 5.1 | 1.6 |
| TU | 1240 | 1.9 | .6 | WE | 1430 | 2.1 | .6 |
| MA | 1930 | 5.6 | 1.7 | ME | 2040 | 5.2 | 1.6 |
| 11 | 0155 | 2.3 | .7 | 26 | 0245 | 2.3 | .7 |
| | 0745 | 4.9 | 1.5 | | 0855 | 5.6 | 1.7 |
| WE | 1345 | 1.6 | .5 | TH | 1515 | 2.0 | .6 |
| ME | 2015 | 5.8 | 1.8 | JE | 2110 | 5.2 | 1.6 |
| 12 | 0235 | 1.7 | .5 | 27 | 0315 | 2.0 | .6 |
| | 0835 | 5.5 | 1.7 | | 0930 | 5.9 | 1.8 |
| TH | 1440 | 1.3 | .4 | FR | 1550 | 2.0 | .6 |
| JE | 2055 | 6.0 | 1.8 | VE | 2140 | 5.1 | 1.6 |
| 13 | 0315 | 1.2 | .4 | 28 | 0345 | 1.7 | .5 |
| | 0920 | 6.1 | 1.9 | | 1005 | 6.2 | 1.9 |
| FR | 1530 | 1.0 | .3 | SA | 1625 | 2.0 | .6 |
| VE | 2135 | 6.1 | 1.9 | SA | 2200 | 5.1 | 1.6 |
| 14 | 0350 | .7 | .2 | 29 | 0410 | 1.5 | .5 |
| | 1005 | 6.6 | 2.0 | | 1035 | 6.3 | 1.9 |
| SA | 1615 | .9 | .3 | SU | 1655 | 2.0 | .6 |
| SA | 2215 | 6.0 | 1.8 | DI | 2225 | 5.1 | 1.6 |
| 15 | 0430 | .4 | .1 | 30 | 0435 | 1.3 | .4 |
| | 1050 | 6.9 | 2.1 | | 1105 | 6.4 | 2.0 |
| SU | 1705 | .9 | .3 | MO | 1725 | 2.1 | .6 |
| DI | 2250 | 6.8 | 1.8 | LU | 2255 | 6.0 | 1.5 |
| | | | | 31 | 0500 | 1.2 | .4 |
| | | | | | 1140 | 6.3 | 1.9 |
| | | | | TU | 1800 | 2.2 | .7 |
| | | | | MA | 2320 | 4.9 | 1.5 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0530 | 1.2 | .4 | 16 | 0605 | .4 | .1 |
| | 1215 | 6.2 | 1.9 | | 1305 | 6.9 | 2.1 |
| WE | 1835 | 2.4 | .7 | TH | 1930 | 2.0 | .6 |
| ME | 2350 | 4.7 | 1.4 | JE | | | |
| 2 | 0600 | 1.2 | .4 | 17 | 0040 | 4.8 | 1.5 |
| | 1250 | 6.0 | 1.8 | | 0655 | .8 | .2 |
| TH | 1915 | 2.6 | .8 | FR | 1400 | 6.5 | 2.0 |
| JE | | | | VE | 2025 | 2.3 | .7 |
| 3 | 0025 | 4.6 | 1.4 | 18 | 0135 | 4.5 | 1.4 |
| | 0630 | 1.4 | .4 | | 0750 | 1.3 | .4 |
| FR | 1335 | 5.7 | 1.7 | SA | 1500 | 6.1 | 1.9 |
| VE | 2010 | 2.9 | .9 | SA | 2125 | 2.5 | .8 |
| 4 | 0105 | 4.3 | 1.3 | 19 | 0235 | 4.4 | 1.3 |
| | 0715 | 1.6 | .5 | | 0900 | 1.9 | .6 |
| SA | 1435 | 5.5 | 1.7 | SU | 1610 | 5.7 | 1.7 |
| SA | 2110 | 3.0 | .9 | DI | 2230 | 2.7 | .8 |
| 5 | 0155 | 4.2 | 1.3 | 20 | 0355 | 4.3 | 1.3 |
| | 0815 | 1.9 | .6 | | 1020 | 2.3 | .7 |
| SU | 1540 | 5.3 | 1.6 | MO | 1715 | 5.4 | 1.6 |
| DI | 2210 | 2.9 | .9 | LU | 2330 | 2.7 | .8 |
| 6 | 0310 | 4.2 | 1.3 | 21 | 0525 | 4.5 | 1.4 |
| | 0935 | 2.1 | .6 | | 1145 | 2.5 | .8 |
| MO | 1650 | 5.3 | 1.6 | TU | 1820 | 5.1 | 1.6 |
| LU | 2310 | 2.7 | .8 | MA | | | |
| 7 | 0445 | 4.3 | 1.3 | 22 | 0025 | 2.7 | .8 |
| | 1055 | 2.2 | .7 | | 0645 | 4.9 | 1.5 |
| TU | 1750 | 5.3 | 1.6 | WE | 1300 | 2.6 | .8 |
| MA | | | | ME | 1910 | 4.9 | 1.5 |
| 8 | 0005 | 2.4 | .7 | 23 | 0115 | 2.5 | .8 |
| | 0610 | 4.7 | 1.4 | | 0745 | 5.3 | 1.6 |
| WE | 1215 | 2.1 | .6 | TH | 1405 | 2.6 | .8 |
| ME | 1840 | 5.4 | 1.6 | JE | 1950 | 4.8 | 1.5 |
| 9 | 0100 | 2.0 | .6 | 24 | 0155 | 2.3 | .7 |
| | 0715 | 5.3 | 1.6 | | 0830 | 5.6 | 1.7 |
| TH | 1320 | 1.9 | .6 | FR | 1450 | 2.3 | .8 |
| JE | 1930 | 5.5 | 1.7 | VE | 2025 | 4.8 | 1.5 |
| 10 | 0150 | 1.5 | .5 | 25 | 0230 | 2.0 | .6 |
| | 0810 | 5.9 | 1.8 | | 0910 | 6.0 | 1.8 |
| FR | 1420 | 1.7 | .5 | SA | 1530 | 2.5 | .8 |
| VE | 2015 | 5.6 | 1.7 | SA | 2055 | 4.8 | 1.5 |
| 11 | 0235 | 1.0 | .3 | 26 | 0305 | 1.7 | .5 |
| | 0900 | 6.4 | 2.0 | | 0945 | 6.2 | 1.9 |
| SA | 1515 | 1.5 | .5 | SU | 1605 | 2.4 | .7 |
| SA | 2100 | 5.6 | 1.7 | DI | 2125 | 4.8 | 1.5 |
| 12 | 0320 | .8 | .2 | 27 | 0335 | 1.4 | .4 |
| | 0950 | 6.9 | 2.1 | | 1020 | 6.4 | 2.0 |
| SU | 1605 | 1.4 | .4 | MO | 1640 | 2.4 | .7 |
| DI | 2145 | 5.8 | 1.7 | LU | 2155 | 4.8 | 1.5 |
| 13 | 0400 | .3 | .1 | 28 | 0405 | 1.2 | .4 |
| | 1035 | 7.1 | 2.2 | | 1050 | 6.5 | 2.0 |
| MO | 1655 | 1.4 | .4 | TU | 1715 | 2.4 | .7 |
| LU | 2230 | 6.4 | 1.6 | MA | 2230 | 4.8 | 1.5 |
| 14 | 0440 | .1 | .0 | 29 | 0435 | 1.1 | .3 |
| | 1125 | 7.2 | 2.2 | | 1130 | 6.6 | 2.0 |
| TU | 1745 | 1.5 | .5 | WE | 1750 | 2.4 | .7 |
| MA | 2310 | 6.2 | 1.6 | ME | 2300 | 4.7 | 1.4 |
| 15 | 0525 | .2 | .1 | 30 | 0505 | 1.0 | .3 |
| | 1210 | 7.2 | 2.2 | | 1205 | 6.4 | 2.0 |
| WE | 1835 | 1.7 | .5 | TH | 1830 | 2.5 | .8 |
| ME | 2355 | 6.0 | 1.5 | JE | 2335 | 4.7 | 1.4 |

### DECEMBER-DECEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0540 | 1.1 | .3 | 16 | 0030 | 4.9 | 1.5 |
| | 1245 | 6.3 | 1.9 | | 0640 | .9 | .3 |
| FR | 1910 | 2.6 | .8 | SA | 1340 | 6.6 | 2.0 |
| VE | | | | SA | 2005 | 2.1 | .6 |
| 2 | 0015 | 4.8 | 1.4 | 17 | 0120 | 4.8 | 1.5 |
| | 0620 | 1.2 | .4 | | 0735 | 1.4 | .4 |
| SA | 1330 | 6.1 | 1.9 | SU | 1430 | 6.1 | 1.9 |
| SA | 1955 | 2.6 | .8 | DI | 2050 | 2.3 | .7 |
| 3 | 0100 | 4.6 | 1.4 | 18 | 0215 | 4.8 | 1.5 |
| | 0710 | 1.4 | .4 | | 0830 | 1.9 | .6 |
| SU | 1415 | 5.9 | 1.8 | MO | 1520 | 5.6 | 1.7 |
| DI | 2045 | 2.6 | .8 | LU | 2140 | 2.5 | .8 |
| 4 | 0155 | 4.6 | 1.4 | 19 | 0315 | 4.7 | 1.4 |
| | 0805 | 1.7 | .5 | | 0940 | 2.4 | .7 |
| MO | 1505 | 5.8 | 1.7 | TU | 1615 | 5.2 | 1.6 |
| LU | 2130 | 2.5 | .8 | MA | 2230 | 2.6 | .8 |
| 5 | 0300 | 4.6 | 1.4 | 20 | 0430 | 4.7 | 1.4 |
| | 0910 | 2.0 | .6 | | 1055 | 2.7 | .8 |
| TU | 1600 | 5.4 | 1.6 | WE | 1705 | 4.8 | 1.5 |
| MA | 2220 | 2.3 | .7 | ME | 2320 | 2.5 | .8 |
| 6 | 0415 | 4.8 | 1.5 | 21 | 0550 | 4.9 | 1.5 |
| | 1025 | 2.2 | .7 | | 1215 | 2.9 | .9 |
| WE | 1650 | 5.3 | 1.6 | TH | 1755 | 4.5 | 1.4 |
| ME | 2315 | 2.0 | .6 | JE | | | |
| 7 | 0535 | 5.1 | 1.6 | 22 | 0010 | 2.4 | .7 |
| | 1140 | 2.3 | .7 | | 0705 | 5.2 | 1.6 |
| TH | 1750 | 5.2 | 1.6 | FR | 1325 | 3.0 | .9 |
| JE | | | | VE | 1845 | 4.4 | 1.3 |
| 8 | 0010 | 1.7 | .5 | 23 | 0100 | 2.2 | .7 |
| | 0645 | 5.5 | 1.7 | | 0800 | 5.5 | 1.7 |
| FR | 1255 | 2.3 | .7 | SA | 1425 | 3.0 | .9 |
| VE | 1845 | 5.1 | 1.6 | SA | 1930 | 4.3 | 1.3 |
| 9 | 0110 | 1.3 | .4 | 24 | 0145 | 2.0 | .6 |
| | 0750 | 6.0 | 1.8 | | 0850 | 5.0 | 1.8 |
| SA | 1405 | 2.2 | .7 | SU | 1515 | 2.9 | .9 |
| SA | 1940 | 5.1 | 1.6 | DI | 2015 | 4.4 | 1.3 |
| 10 | 0205 | .9 | .3 | 25 | 0225 | 1.7 | .5 |
| | 0850 | 6.5 | 2.0 | | 0930 | 6.1 | 1.9 |
| SU | 1505 | 2.0 | .6 | MO | 1555 | 2.8 | .9 |
| DI | 2035 | 5.1 | 1.6 | LU | 2055 | 4.4 | 1.3 |
| 11 | 0255 | .6 | .2 | 26 | 0305 | 1.4 | .4 |
| | 0940 | 6.9 | 2.1 | | 1005 | 6.3 | 1.9 |
| MO | 1600 | 1.8 | .5 | TU | 1635 | 2.6 | .8 |
| LU | 2125 | 5.1 | 1.6 | MA | 2135 | 4.5 | 1.4 |
| 12 | 0340 | .4 | .1 | 27 | 0340 | 1.2 | .4 |
| | 1030 | 7.2 | 2.2 | | 1045 | 6.5 | 2.0 |
| TU | 1650 | 1.7 | .5 | WE | 1710 | 2.4 | .7 |
| MA | 2215 | 5.1 | 1.6 | ME | 2215 | 4.6 | 1.4 |
| 13 | 0425 | .3 | .1 | 28 | 0420 | 1.0 | .3 |
| | 1115 | 7.3 | 2.2 | | 1120 | 6.7 | 2.0 |
| WE | 1740 | 1.7 | .5 | TH | 1745 | 2.3 | .7 |
| ME | 2300 | 5.1 | 1.6 | JE | 2255 | 4.7 | 1.4 |
| 14 | 0510 | .3 | .1 | 29 | 0455 | .8 | .2 |
| | 1205 | 7.2 | 2.2 | | 1155 | 6.7 | 2.0 |
| TH | 1825 | 1.8 | .5 | FR | 1820 | 2.2 | .7 |
| JE | 2345 | 5.0 | 1.5 | VE | 2335 | 4.8 | 1.5 |
| 15 | 0555 | .8 | .2 | 30 | 0535 | .8 | .2 |
| | 1250 | 7.0 | 2.1 | | 1230 | 6.6 | 2.0 |
| FR | 1915 | 1.9 | .6 | SA | 1855 | 2.1 | .6 |
| VE | | | | SA | | | |
| | | | | 31 | 0015 | 4.9 | 1.5 |
| | | | | | 0615 | .9 | .3 |
| | | | | SU | 1310 | 6.4 | 2.0 |
| | | | | DI | 1930 | 2.1 | .6 |

# ABEGWEIT PASSAGE (AST 2:4)

## CURRENT TABLES

1989

### JANUARY-JANVIER

| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit | n |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 0040 | -09 | | 16 | | 0050 | -15 | |
| | 0400 | 0720 | 09 | | | 0405 | 0720 | 14 | |
| SU | 1015 | 1310 | -09 | | MO | 1020 | 1320 | -14 | |
| DI | 1630 | 1945 | 09 | | LU | 1635 | 1950 | 14 | |
| | 2240 | | | | | 2255 | | | |
| 2 | | 0140 | -09 | | 17 | | 0155 | -14 | |
| | 0455 | 0810 | 09 | | | 0510 | 0820 | 14 | |
| MO | 1110 | 1410 | -09 | | TU | 1125 | 1430 | -13 | |
| LU | 1725 | 2030 | 09 | | MA | 1745 | 2050 | 14 | |
| | 2335 | | | | | | | | |
| 3 | | 0240 | -09 | | 18 | 0000 | 0310 | -14 | |
| | 0550 | 0855 | 09 | | | 0615 | 0920 | 14 | |
| TU | 1205 | 1515 | -09 | | WE | 1230 | 1540 | -14 | |
| MA | 1815 | 2120 | 09 | | ME | 1845 | 2150 | 14 | |
| 4 | 0030 | 0340 | -09 | | 19 | 0105 | 0415 | -14 | |
| | 0640 | 0940 | 09 | | | 0715 | 1025 | 14 | |
| WE | 1300 | 1610 | -10 | | TH | 1335 | 1645 | -15 | |
| ME | 1905 | 2205 | 10 | | JE | 1945 | 2255 | 14 | |
| 5 | 0125 | 0435 | -11 | | 20 | 0205 | 0510 | -15 | |
| | 0730 | 1030 | 10 | | | 0810 | 1125 | 14 | |
| TH | 1350 | 1700 | -11 | | FR | 1435 | 1740 | -16 | |
| JE | 1950 | 2255 | 11 | | VE | 2040 | 2350 | 14 | |
| 6 | 0215 | 0525 | -12 | | 21 | 0305 | 0605 | -16 | |
| | 0815 | 1115 | 11 | | | 0905 | 1220 | 15 | |
| FR | 1440 | 1745 | -13 | | SA | 1530 | 1825 | -17 | |
| VE | 2035 | 2340 | 12 | | SA | 2130 | | | |
| 7 | 0305 | 0610 | -14 | | 22 | | 0045 | 15 | |
| | 0900 | 1205 | 12 | | | 0355 | 0650 | -17 | |
| SA | 1525 | 1830 | -15 | | SU | 0950 | 1315 | 15 | |
| SA | 2120 | | | | DI | 1620 | 1910 | -17 | |
| | | | | | | 2215 | | | |
| 8 | | 0025 | 13 | | 23 | | 0135 | 15 | |
| | 0350 | 0650 | -15 | | | 0440 | 0735 | -17 | |
| SU | 0940 | 1250 | 14 | | MO | 1035 | 1400 | 15 | |
| DI | 1610 | 1910 | -16 | | LU | 1705 | 1955 | -17 | |
| | 2205 | | | | | 2255 | | | |
| 9 | | 0115 | 14 | | 24 | | 0225 | 15 | |
| | 0435 | 0735 | -17 | | | 0525 | 0815 | -17 | |
| MO | 1025 | 1335 | 15 | | TU | 1120 | 1445 | 15 | |
| LU | 1655 | 1955 | -17 | | MA | 1745 | 2035 | -17 | |
| | 2250 | | | | | 2340 | | | |
| 10 | | 0200 | 15 | | 25 | | 0305 | 14 | |
| | 0520 | 0815 | -18 | | | 0605 | 0855 | -16 | |
| TU | 1110 | 1425 | 15 | | WE | 1200 | 1525 | 14 | |
| MA | 1740 | 2040 | -18 | | ME | 1825 | 2110 | -16 | |
| | 2335 | | | | | | | | |
| 11 | | 0250 | 16 | | 26 | 0015 | 0350 | 13 | |
| | 0605 | 0900 | -18 | | | 0645 | 0930 | -15 | |
| WE | 1155 | 1515 | 16 | | TH | 1235 | 1610 | 13 | |
| ME | 1825 | 2120 | -18 | | JE | 1905 | 2150 | -14 | |
| 12 | 0020 | 0340 | 16 | | 27 | 0055 | 0425 | 12 | |
| | 0650 | 0945 | -18 | | | 0725 | 1010 | -14 | |
| TH | 1245 | 1605 | 16 | | FR | 1315 | 1645 | 12 | |
| JE | 1915 | 2205 | -18 | | VE | 1940 | 2230 | -13 | |
| 13 | 0110 | 0435 | 16 | | 28 | 0135 | 0505 | 11 | |
| | 0740 | 1030 | -18 | | | 0800 | 1050 | -12 | |
| FR | 1335 | 1700 | 15 | | SA | 1355 | 1725 | 10 | |
| VE | 2005 | 2255 | -17 | | SA | 2020 | 2310 | -12 | |
| 14 | 0205 | 0525 | 15 | | 29 | 0215 | 0545 | 10 | |
| | 0830 | 1120 | -16 | | | 0845 | 1130 | -11 | |
| SA | 1430 | 1755 | 15 | | SU | 1440 | 1810 | 09 | |
| SA | 2055 | 2350 | -16 | | DI | 2105 | 2350 | -10 | |
| 15 | 0300 | 0625 | 15 | | 30 | 0305 | 0630 | 09 | |
| | 0925 | 1220 | -15 | | | 0925 | 1215 | -09 | |
| SU | 1535 | 1850 | 14 | | MO | 1530 | 1855 | -09 | |
| DI | 2150 | | | | LU | 2150 | | | |
| | | | | | 31 | | 0045 | -09 | |
| | | | | | | 0400 | 0720 | 08 | |
| | | | | | TU | 1015 | 1315 | -08 | |
| | | | | | MA | 1630 | 1945 | 08 | |
| | | | | | | 2245 | | | |

### FEBRUARY-FEVRIER

| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit | n |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 0145 | -08 | | 16 | | 0245 | -12 | |
| | 0500 | 0810 | 08 | | | 0555 | 0905 | 12 | |
| WE | 1115 | 1420 | -08 | | TH | 1210 | 1520 | -12 | |
| ME | 1730 | 2040 | 08 | | JE | 1830 | 2135 | 12 | |
| | 2345 | | | | | | | | |
| 2 | | 0255 | -09 | | 17 | 0045 | 0355 | -13 | |
| | 0600 | 0905 | 09 | | | 0700 | 1010 | 13 | |
| TH | 1220 | 1530 | -09 | | FR | 1320 | 1630 | -13 | |
| JE | 1830 | 2135 | 09 | | VE | 1930 | 2240 | 13 | |
| 3 | 0050 | 0405 | -10 | | 18 | 0150 | 0455 | -14 | |
| | 0700 | 1000 | 10 | | | 0800 | 1110 | 13 | |
| FR | 1320 | 1630 | -11 | | SA | 1420 | 1725 | -15 | |
| VE | 1925 | 2230 | 10 | | SA | 2025 | 2335 | 14 | |
| 4 | 0150 | 0500 | -12 | | 19 | 0250 | 0545 | -15 | |
| | 0750 | 1055 | 11 | | | 0850 | 1205 | 14 | |
| SA | 1415 | 1725 | -13 | | SU | 1515 | 1810 | -16 | |
| SA | 2015 | 2320 | 12 | | DI | 2110 | | | |
| 5 | 0240 | 0545 | -14 | | 20 | | 0030 | 14 | |
| | 0840 | 1145 | 13 | | | 0335 | 0630 | -16 | |
| SU | 1505 | 1810 | -15 | | MO | 0935 | 1255 | 15 | |
| DI | 2100 | | | | LU | 1600 | 1855 | -16 | |
| | | | | | | 2155 | | | |
| 6 | | 0010 | 14 | | 21 | | 0115 | 15 | |
| | 0330 | 0630 | -16 | | | 0420 | 0715 | -17 | |
| MO | 0925 | 1235 | 14 | | TU | 1015 | 1340 | 15 | |
| LU | 1550 | 1855 | -17 | | MA | 1640 | 1930 | -17 | |
| | 2145 | | | | | 2235 | | | |
| 7 | | 0055 | 15 | | 22 | | 0200 | 15 | |
| | 0415 | 0715 | -18 | | | 0500 | 0750 | -17 | |
| TU | 1010 | 1320 | 16 | | WE | 1050 | 1415 | 14 | |
| MA | 1635 | 1935 | -19 | | ME | 1720 | 2010 | -17 | |
| | 2230 | | | | | 2310 | | | |
| 8 | | 0145 | 16 | | 23 | | 0235 | 14 | |
| | 0500 | 0755 | -19 | | | 0535 | 0825 | -16 | |
| WE | 1055 | 1405 | 17 | | TH | 1130 | 1455 | 14 | |
| ME | 1720 | 2020 | -20 | | JE | 1755 | 2045 | -16 | |
| | 2315 | | | | | 2345 | | | |
| 9 | | 0230 | 17 | | 24 | | 0310 | 13 | |
| | 0545 | 0840 | -20 | | | 0615 | 0900 | -15 | |
| TH | 1135 | 1455 | 17 | | FR | 1200 | 1525 | 13 | |
| JE | 1805 | 2100 | -20 | | VE | 1830 | 2120 | -15 | |
| 10 | 0000 | 0320 | 17 | | 25 | 0020 | 0345 | 12 | |
| | 0630 | 0925 | -20 | | | 0650 | 0935 | -14 | |
| FR | 1225 | 1540 | 17 | | SA | 1235 | 1600 | 12 | |
| VE | 1850 | 2145 | -19 | | SA | 1905 | 2155 | -14 | |
| 11 | 0045 | 0405 | 17 | | 26 | 0055 | 0420 | 11 | |
| | 0715 | 1010 | -19 | | | 0725 | 1010 | -13 | |
| SA | 1310 | 1635 | 16 | | SU | 1310 | 1635 | 11 | |
| SA | 1940 | 2230 | -18 | | DI | 1940 | 2230 | -12 | |
| 12 | 0135 | 0500 | 16 | | 27 | 0130 | 0455 | 10 | |
| | 0805 | 1055 | -17 | | | 0800 | 1050 | -12 | |
| SU | 1405 | 1730 | 15 | | MO | 1350 | 1720 | 10 | |
| DI | 2030 | 2320 | -16 | | LU | 2025 | 2310 | -11 | |
| 13 | 0235 | 0555 | 15 | | 28 | 0215 | 0540 | 09 | |
| | 0855 | 1150 | -15 | | | 0845 | 1135 | -10 | |
| MO | 1505 | 1825 | 14 | | TU | 1440 | 1805 | 09 | |
| LU | 2125 | | | | MA | 2110 | | | |
| 14 | | 0020 | -14 | | | | | | |
| | 0335 | 0655 | 13 | | | | | | |
| TU | 0955 | 1250 | -13 | | | | | | |
| MA | 1610 | 1925 | 13 | | | | | | |
| | 2225 | | | | | | | | |
| 15 | | 0125 | -13 | | | | | | |
| | 0445 | 0800 | 13 | | | | | | |
| WE | 1100 | 1405 | -12 | | | | | | |
| ME | 1720 | 2030 | 12 | | | | | | |
| | 2335 | | | | | | | | |

### MARCH-MARS

| Day | Time | Time | Rate | kn | Jour | Heure | Heure | Vit | n |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 0000 | -10 | | 16 | | 0100 | -12 | |
| | 0310 | 0635 | 08 | | | 0425 | 0740 | 12 | |
| WE | 0935 | 1230 | -09 | | TH | 1040 | 1340 | -11 | |
| ME | 1540 | 1905 | 08 | | JE | 1700 | 2015 | 12 | |
| | 2205 | | | | | 2315 | | | |
| 2 | | 0100 | -09 | | 17 | | 0220 | -11 | |
| | 0415 | 0735 | 08 | | | 0535 | 0845 | 12 | |
| TH | 1035 | 1340 | -08 | | FR | 1150 | 1500 | -11 | |
| JE | 1655 | 2005 | 08 | | VE | 1810 | 2120 | 12 | |
| | 2310 | | | | | | | | |
| 3 | | 0220 | -09 | | 18 | 0025 | 0335 | -12 | |
| | 0530 | 0840 | 09 | | | 0640 | 0950 | 12 | |
| FR | 1145 | 1455 | -09 | | SA | 1300 | 1610 | -12 | |
| VE | 1800 | 2110 | 09 | | SA | 1910 | 2220 | 12 | |
| 4 | 0020 | 0335 | -10 | | 19 | 0130 | 0435 | -13 | |
| | 0635 | 0935 | 10 | | | 0740 | 1050 | 13 | |
| SA | 1250 | 1605 | -11 | | SU | 1400 | 1705 | -14 | |
| SA | 1900 | 2205 | 11 | | DI | 2005 | 2315 | 13 | |
| 5 | 0120 | 0435 | -12 | | 20 | 0225 | 0525 | -14 | |
| | 0730 | 1030 | 12 | | | 0830 | 1140 | 13 | |
| SU | 1350 | 1700 | -13 | | MO | 1450 | 1750 | -15 | |
| DI | 1955 | 2300 | 13 | | LU | 2050 | | | |
| 6 | 0215 | 0525 | -15 | | 21 | | 0005 | 14 | |
| | 0820 | 1125 | 14 | | | 0315 | 0610 | -15 | |
| MO | 1440 | 1750 | -16 | | TU | 0910 | 1225 | 14 | |
| LU | 2040 | 2350 | 15 | | MA | 1535 | 1830 | -16 | |
| | | | | | | 2130 | | | |
| 7 | 0305 | 0610 | -17 | | 22 | | 0050 | 14 | |
| | 0905 | 1210 | 16 | | | 0355 | 0650 | -16 | |
| TU | 1530 | 1830 | -18 | | WE | 0950 | 1305 | 14 | |
| MA | 2125 | | | | ME | 1615 | 1905 | -16 | |
| | | | | | | 2205 | | | |
| 8 | | 0035 | 16 | | 23 | | 0125 | 14 | |
| | 0350 | 0655 | -19 | | | 0430 | 0725 | -16 | |
| WE | 0950 | 1300 | 17 | | TH | 1020 | 1340 | 14 | |
| ME | 1615 | 1915 | -20 | | JE | 1650 | 1940 | -16 | |
| | 2210 | | | | | 2240 | | | |
| 9 | | 0120 | 18 | | 24 | | 0200 | 14 | |
| | 0435 | 0735 | -20 | | | 0505 | 0800 | -16 | |
| TH | 1030 | 1345 | 18 | | FR | 1055 | 1415 | 13 | |
| JE | 1700 | 1955 | -21 | | VE | 1725 | 2015 | -16 | |
| | 2255 | | | | | 2310 | | | |
| 10 | | 0205 | 18 | | 25 | | 0230 | 13 | |
| | 0520 | 0820 | -21 | | | 0540 | 0830 | -15 | |
| FR | 1115 | 1430 | 18 | | SA | 1125 | 1445 | 13 | |
| VE | 1745 | 2040 | -21 | | SA | 1755 | 2050 | -15 | |
| | 2340 | | | | | 2345 | | | |
| 11 | | 0255 | 18 | | 26 | | 0300 | 12 | |
| | 0605 | 0900 | -20 | | | 0615 | 0905 | -15 | |
| SA | 1200 | 1520 | 18 | | SU | 1200 | 1515 | 12 | |
| SA | 1830 | 2125 | -20 | | DI | 1830 | 2125 | -14 | |
| 12 | 0025 | 0345 | 17 | | 27 | 0015 | 0335 | 11 | |
| | 0650 | 0945 | -19 | | | 0650 | 0940 | -14 | |
| SU | 1250 | 1610 | 16 | | MO | 1235 | 1550 | 11 | |
| DI | 1915 | 2210 | -18 | | LU | 1910 | 2200 | -13 | |
| 13 | 0115 | 0435 | 16 | | 28 | 0055 | 0415 | 10 | |
| | 0740 | 1035 | -17 | | | 0730 | 1020 | -12 | |
| MO | 1340 | 1705 | 15 | | TU | 1315 | 1635 | 10 | |
| LU | 2005 | 2300 | -16 | | MA | 1950 | 2240 | -12 | |
| 14 | 0210 | 0535 | 14 | | 29 | 0140 | 0505 | 10 | |
| | 0835 | 1125 | -15 | | | 0815 | 1105 | -11 | |
| TU | 1440 | 1805 | 13 | | WE | 1405 | 1730 | 09 | |
| MA | 2105 | 2355 | -14 | | ME | 2040 | 2330 | -10 | |
| 15 | 0310 | 0635 | 13 | | 30 | 0235 | 0605 | 09 | |
| | 0935 | 1225 | -13 | | | 0905 | 1200 | -10 | |
| WE | 1545 | 1910 | 12 | | TH | 1510 | 1835 | 09 | |
| ME | 2205 | | | | JE | 2135 | | | |
| | | | | | 31 | | 0030 | -10 | |
| | | | | | | 0345 | 0705 | 09 | |
| | | | | | FR | 1010 | 1305 | -09 | |
| | | | | | VE | 1620 | 1940 | 09 | |
| | | | | | | 2240 | | | |

V-2

- FLOOD FLOT DIRECTION 130 TRUE VRAIE

EBB JUSANT DIRECTION 310 TRUE VRAIE

## TABLE DES COURANTS

# ABEGWEIT PASSAGE (HNA 2-4)

1989

### APRIL-AVRIL

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| 1 | | 0145 | +1.0 | 16 | 0000 | 0310 | +1.1 |
| | 0500 | 0810 | −1.0 | | 0620 | 0925 | −1.1 |
| SA | 1115 | 1425 | +1.0 | SU | 1230 | 1540 | +1.1 |
| SA | 1735 | 2040 | −1.0 | DI | 1845 | 2155 | −1.2 |
| | 2350 | | | | | | |
| 2 | | 0300 | +1.1 | 17 | 0100 | 0410 | +1.2 |
| | 0605 | 0910 | −1.1 | | 0715 | 1020 | −1.2 |
| SU | 1220 | 1535 | +1.2 | MO | 1330 | 1635 | +1.3 |
| DI | 1835 | 2140 | −1.2 | LU | 1935 | 2245 | −1.2 |
| 3 | 0055 | 0405 | +1.3 | 18 | 0155 | 0500 | +1.3 |
| | 0705 | 1005 | −1.3 | | 0800 | 1110 | −1.2 |
| MO | 1320 | 1635 | +1.4 | TU | 1420 | 1720 | +1.4 |
| LU | 1930 | 2235 | −1.4 | MA | 2020 | 2330 | −1.3 |
| 4 | 0150 | 0500 | +1.5 | 19 | 0240 | 0540 | +1.4 |
| | 0755 | 1100 | −1.5 | | 0840 | 1150 | −1.3 |
| TU | 1415 | 1725 | +1.7 | WE | 1505 | 1800 | +1.4 |
| MA | 2020 | 2325 | −1.6 | ME | 2100 | | |
| 5 | 0210 | 0545 | +1.8 | 20 | | 0010 | −1.3 |
| | 0840 | 1150 | −1.6 | | 0325 | 0620 | +1.5 |
| WE | 1505 | 1810 | +1.9 | TH | 0915 | 1230 | −1.3 |
| ME | 2105 | | | JE | 1540 | 1835 | +1.5 |
| | | | | | 2135 | | |
| 6 | | 0010 | −1.7 | 21 | | 0050 | −1.3 |
| | 0330 | 0630 | +2.0 | | 0400 | 0655 | +1.5 |
| TH | 0925 | 1235 | −1.8 | FR | 0950 | 1305 | −1.3 |
| JE | 1550 | 1850 | +2.0 | VE | 1615 | 1910 | +1.5 |
| | 2150 | | | | 2205 | | |
| 7 | | 0100 | −1.8 | 22 | | 0120 | −1.3 |
| | 0415 | 0715 | +2.1 | | 0435 | 0730 | +1.5 |
| FR | 1010 | 1320 | −1.8 | SA | 1020 | 1335 | −1.3 |
| VE | 1635 | 1935 | +2.1 | SA | 1650 | 1945 | +1.5 |
| | 2230 | | | | 2240 | | |
| 8 | | 0145 | −1.8 | 23 | | 0150 | −1.3 |
| | 0500 | 0755 | +2.1 | | 0510 | 0805 | +1.5 |
| SA | 1055 | 1410 | −1.8 | SU | 1055 | 1405 | −1.2 |
| SA | 1720 | 2020 | +2.1 | DI | 1725 | 2020 | +1.5 |
| | 2315 | | | | 2310 | | |
| 9 | | 0230 | −1.8 | 24 | | 0225 | −1.2 |
| | 0545 | 0840 | +2.0 | | 0545 | 0840 | +1.5 |
| SU | 1140 | 1455 | −1.7 | MO | 1130 | 1440 | −1.2 |
| DI | 1810 | 2100 | +2.0 | LU | 1800 | 2055 | +1.4 |
| | | | | | 2350 | | |
| 10 | 0005 | 0325 | −1.7 | 25 | | 0300 | −1.2 |
| | 0630 | 0925 | +1.9 | | 0620 | 0915 | +1.4 |
| MO | 1225 | 1550 | −1.6 | TU | 1210 | 1520 | −1.1 |
| LU | 1855 | 2150 | +1.8 | MA | 1840 | 2135 | +1.4 |
| 11 | 0050 | 0415 | −1.5 | 26 | 0030 | 0345 | −1.1 |
| | 0720 | 1010 | +1.7 | | 0700 | 0955 | +1.3 |
| TU | 1320 | 1645 | −1.4 | WE | 1250 | 1610 | −1.1 |
| MA | 1945 | 2235 | +1.6 | ME | 1925 | 2220 | +1.3 |
| 12 | 0145 | 0515 | −1.4 | 27 | 0115 | 0435 | −1.0 |
| | 0815 | 1105 | +1.5 | | 0750 | 1040 | +1.2 |
| WE | 1420 | 1745 | −1.3 | TH | 1340 | 1705 | −1.0 |
| ME | 2045 | 2335 | +1.4 | JE | 2015 | 2310 | +1.2 |
| 13 | 0250 | 0620 | −1.2 | 28 | 0210 | 0540 | −1.0 |
| | 0915 | 1205 | +1.2 | | 0845 | 1135 | +1.1 |
| TH | 1525 | 1850 | −1.2 | FR | 1445 | 1810 | −1.0 |
| JE | 2145 | | | VE | 2110 | | |
| 14 | | 0040 | +1.2 | 29 | | 0005 | +1.1 |
| | 0400 | 0725 | −1.1 | | 0320 | 0645 | −1.0 |
| FR | 1020 | 1315 | +1.1 | SA | 0945 | 1240 | +1.1 |
| VE | 1640 | 1955 | −1.1 | SA | 1555 | 1915 | −1.1 |
| | 2250 | | | | 2215 | | |
| 15 | | 0155 | +1.1 | 30 | | 0115 | +1.1 |
| | 0515 | 0825 | −1.1 | | 0430 | 0745 | −1.1 |
| SA | 1125 | 1435 | +1.1 | SU | 1045 | 1350 | +1.1 |
| SA | 1745 | 2055 | −1.1 | DI | 1705 | 2015 | −1.2 |
| | | | | | 2320 | | |

### MAY-MAI

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| 1 | | 0225 | +1.2 | 16 | 0025 | 0335 | +1.1 |
| | 0535 | 0845 | −1.2 | | 0640 | 0945 | −1.1 |
| MO | 1150 | 1500 | +1.3 | TU | 1250 | 1600 | +1.1 |
| LU | 1805 | 2110 | −1.3 | MA | 1900 | 2210 | −1.1 |
| 2 | 0020 | 0335 | +1.4 | 17 | 0120 | 0425 | +1.2 |
| | 0635 | 0940 | −1.4 | | 0725 | 1030 | −1.1 |
| TU | 1250 | 1605 | +1.5 | WE | 1345 | 1645 | +1.2 |
| MA | 1900 | 2205 | −1.5 | ME | 1945 | 2255 | −1.1 |
| 3 | 0120 | 0430 | +1.6 | 18 | 0205 | 0510 | +1.2 |
| | 0730 | 1030 | −1.5 | | 0805 | 1115 | −1.1 |
| WE | 1345 | 1655 | +1.7 | TH | 1425 | 1730 | +1.3 |
| ME | 1955 | 2255 | −1.6 | JE | 2025 | 2335 | −1.2 |
| 4 | 0215 | 0520 | +1.8 | 19 | 0250 | 0545 | +1.3 |
| | 0815 | 1125 | −1.7 | | 0845 | 1150 | −1.2 |
| TH | 1440 | 1745 | +1.8 | FR | 1510 | 1805 | +1.4 |
| JE | 2040 | 2345 | −1.7 | VE | 2100 | | |
| 5 | 0305 | 0610 | +1.9 | 20 | | 0010 | −1.2 |
| | 0905 | 1210 | −1.7 | | 0325 | 0625 | +1.4 |
| FR | 1530 | 1830 | +2.0 | SA | 0920 | 1225 | −1.2 |
| VE | 2125 | | | SA | 1545 | 1845 | +1.4 |
| | | | | | 2135 | | |
| 6 | | 0035 | −1.8 | 21 | | 0045 | −1.2 |
| | 0350 | 0655 | +2.0 | | 0405 | 0700 | +1.4 |
| SA | 0950 | 1300 | −1.8 | SU | 0950 | 1300 | −1.2 |
| SA | 1615 | 1915 | +2.0 | DI | 1620 | 1920 | +1.5 |
| | 2215 | | | | 2210 | | |
| 7 | | 0125 | −1.8 | 22 | | 0120 | −1.2 |
| | 0440 | 0735 | +2.0 | | 0440 | 0735 | +1.5 |
| SU | 1035 | 1350 | −1.8 | MO | 1030 | 1335 | −1.2 |
| DI | 1705 | 2000 | +2.0 | LU | 1700 | 1955 | +1.5 |
| | 2300 | | | | 2245 | | |
| 8 | | 0215 | −1.7 | 23 | | 0155 | −1.2 |
| | 0525 | 0820 | +2.0 | | 0520 | 0815 | +1.5 |
| MO | 1120 | 1440 | −1.7 | TU | 1105 | 1415 | −1.2 |
| LU | 1750 | 2045 | +1.9 | MA | 1740 | 2035 | +1.5 |
| | 2345 | | | | 2325 | | |
| 9 | | 0310 | −1.6 | 24 | | 0235 | −1.2 |
| | 0615 | 0910 | +1.8 | | 0600 | 0855 | +1.5 |
| TU | 1210 | 1535 | −1.5 | WE | 1145 | 1500 | −1.2 |
| MA | 1840 | 2130 | +1.7 | ME | 1820 | 2115 | +1.5 |
| 10 | 0035 | 0405 | −1.5 | 25 | 0010 | 0325 | −1.2 |
| | 0705 | 0955 | +1.7 | | 0645 | 0935 | +1.5 |
| WE | 1300 | 1630 | −1.4 | TH | 1235 | 1550 | −1.2 |
| ME | 1930 | 2220 | +1.6 | JE | 1905 | 2200 | +1.4 |
| 11 | 0130 | 0500 | −1.3 | 26 | 0055 | 0420 | −1.2 |
| | 0755 | 1045 | +1.5 | | 0730 | 1025 | +1.4 |
| TH | 1400 | 1730 | −1.3 | FR | 1325 | 1650 | −1.2 |
| JE | 2025 | 2310 | +1.4 | VE | 1955 | 2250 | +1.4 |
| 12 | 0230 | 0600 | −1.2 | 27 | 0150 | 0515 | −1.2 |
| | 0855 | 1140 | +1.3 | | 0820 | 1115 | +1.3 |
| FR | 1505 | 1830 | −1.2 | SA | 1420 | 1745 | −1.2 |
| VE | 2120 | | | SA | 2050 | 2345 | +1.3 |
| 13 | | 0010 | +1.2 | 28 | 0255 | 0620 | −1.2 |
| | 0335 | 0700 | −1.1 | | 0920 | 1210 | +1.3 |
| SA | 0950 | 1245 | +1.1 | SU | 1525 | 1845 | −1.2 |
| SA | 1610 | 1930 | −1.1 | DI | 2145 | | |
| | 2225 | | | | | | |
| 14 | | 0120 | +1.1 | 29 | | 0045 | +1.3 |
| | 0445 | 0755 | −1.1 | | 0400 | 0715 | −1.3 |
| SU | 1055 | 1355 | +1.0 | MO | 1015 | 1315 | +1.3 |
| DI | 1715 | 2025 | −1.1 | LU | 1630 | 1945 | −1.3 |
| | 2325 | | | | 2250 | | |
| 15 | | 0230 | +1.0 | 30 | | 0150 | +1.3 |
| | 0545 | 0850 | −1.1 | | 0505 | 0815 | −1.3 |
| MO | 1155 | 1505 | +1.1 | TU | 1120 | 1425 | +1.3 |
| LU | 1810 | 2120 | −1.1 | MA | 1735 | 2045 | −1.4 |
| | | | | | 2350 | | |
| | | | | 31 | | 0300 | +1.4 |
| | | | | | 0605 | 0910 | −1.4 |
| | | | | WE | 1220 | 1530 | +1.5 |
| | | | | ME | 1835 | 2140 | −1.5 |

### JUNE-JUIN

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| 1 | 0050 | 0400 | +1.5 | 16 | 0125 | 0430 | +1.1 |
| | 0700 | 1005 | −1.5 | | 0730 | 1030 | −1.0 |
| TH | 1320 | 1630 | +1.6 | FR | 1350 | 1655 | +1.1 |
| JE | 1930 | 2230 | −1.6 | VE | 1950 | 2255 | −1.0 |
| 2 | 0145 | 0455 | +1.7 | 17 | 0210 | 0515 | +1.2 |
| | 0755 | 1100 | −1.6 | | 0810 | 1115 | −1.0 |
| FR | 1415 | 1720 | +1.8 | SA | 1435 | 1735 | +1.2 |
| VE | 2020 | 2325 | −1.6 | SA | 2030 | 2335 | −1.1 |
| 3 | 0240 | 0545 | +1.8 | 18 | 0255 | 0555 | +1.3 |
| | 0845 | 1150 | −1.7 | | 0850 | 1155 | −1.1 |
| SA | 1510 | 1810 | +1.9 | SU | 1515 | 1815 | +1.3 |
| SA | 2110 | | | DI | 2110 | | |
| 4 | | 0020 | −1.7 | 19 | | 0015 | −1.1 |
| | 0335 | 0635 | +1.9 | | 0335 | 0635 | +1.4 |
| SU | 0930 | 1245 | −1.7 | MO | 0925 | 1235 | −1.2 |
| DI | 1600 | 1900 | +1.9 | LU | 1555 | 1855 | +1.4 |
| | 2155 | | | | 2145 | | |
| 5 | | 0110 | −1.7 | 20 | | 0055 | −1.2 |
| | 0425 | 0720 | +1.9 | | 0415 | 0715 | +1.5 |
| MO | 1020 | 1335 | −1.7 | TU | 1005 | 1315 | −1.2 |
| LU | 1650 | 1945 | +1.9 | MA | 1635 | 1935 | +1.5 |
| | 2245 | | | | 2225 | | |
| 6 | | 0205 | −1.6 | 21 | | 0135 | −1.3 |
| | 0510 | 0805 | +1.9 | | 0500 | 0755 | +1.5 |
| TU | 1110 | 1430 | −1.6 | WE | 1045 | 1355 | −1.3 |
| MA | 1735 | 2030 | +1.8 | ME | 1720 | 2015 | +1.6 |
| | 2330 | | | | 2310 | | |
| 7 | | 0255 | −1.6 | 22 | | 0220 | −1.3 |
| | 0600 | 0850 | +1.8 | | 0540 | 0835 | +1.6 |
| WE | 1155 | 1525 | −1.5 | TH | 1130 | 1445 | −1.3 |
| ME | 1825 | 2115 | +1.7 | JE | 1800 | 2055 | +1.6 |
| | | | | | 2350 | | |
| 8 | 0020 | 0350 | −1.5 | 23 | | 0310 | −1.4 |
| | 0650 | 0935 | +1.6 | | 0625 | 0920 | +1.6 |
| TH | 1245 | 1615 | −1.4 | FR | 1215 | 1535 | −1.4 |
| JE | 1915 | 2200 | +1.6 | VE | 1845 | 2140 | +1.6 |
| 9 | 0110 | 0445 | −1.4 | 24 | 0040 | 0400 | −1.4 |
| | 0740 | 1025 | +1.5 | | 0710 | 1005 | +1.6 |
| FR | 1340 | 1710 | −1.3 | SA | 1305 | 1625 | −1.4 |
| VE | 2005 | 2250 | +1.4 | SA | 1935 | 2230 | +1.6 |
| 10 | 0205 | 0535 | −1.2 | 25 | 0130 | 0455 | −1.4 |
| | 0830 | 1115 | +1.3 | | 0800 | 1050 | +1.6 |
| SA | 1435 | 1805 | −1.2 | SU | 1400 | 1720 | −1.4 |
| SA | 2055 | 2340 | +1.2 | DI | 2025 | 2320 | +1.5 |
| 11 | 0300 | 0630 | −1.1 | 26 | 0225 | 0550 | −1.4 |
| | 0920 | 1210 | +1.1 | | 0850 | 1145 | +1.5 |
| SU | 1530 | 1855 | −1.1 | MO | 1455 | 1820 | −1.4 |
| DI | 2145 | | | LU | 2120 | | |
| 12 | | 0035 | +1.1 | 27 | | 0015 | +1.5 |
| | 0400 | 0720 | −1.1 | | 0325 | 0645 | −1.4 |
| MO | 1015 | 1310 | +1.0 | TU | 0945 | 1245 | +1.4 |
| LU | 1630 | 1945 | −1.0 | MA | 1600 | 1915 | −1.4 |
| | 2240 | | | | 2215 | | |
| 13 | | 0140 | +1.0 | 28 | | 0115 | +1.4 |
| | 0500 | 0810 | −1.0 | | 0430 | 0745 | −1.4 |
| TU | 1110 | 1410 | +1.0 | WE | 1045 | 1350 | +1.4 |
| MA | 1730 | 2035 | −1.0 | ME | 1705 | 2015 | −1.4 |
| | 2340 | | | | 2320 | | |
| 14 | | 0245 | +1.0 | 29 | | 0225 | +1.4 |
| | 0555 | 0900 | −1.0 | | 0535 | 0845 | −1.4 |
| WE | 1205 | 1515 | +1.0 | TH | 1150 | 1500 | +1.4 |
| ME | 1820 | 2125 | −1.0 | JE | 1805 | 2110 | −1.4 |
| 15 | 0035 | 0340 | +1.0 | 30 | 0020 | 0330 | +1.5 |
| | 0645 | 0950 | −1.0 | | 0635 | 0940 | −1.4 |
| TH | 1300 | 1605 | +1.0 | FR | 1255 | 1605 | +1.5 |
| JE | 1905 | 2210 | −1.0 | VE | 1905 | 2210 | −1.5 |

V-2

+ FLOOD/FLOT DIRECTION 130 TRUE/VRAIE  − EBB/JUSANT DIRECTION 310 TRUE/VRAIE

# ABEGWEIT PASSAGE (AST 2+4)

## CURRENT TABLES

1989

### JULY-JUILLET

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn. | Jour | Heure | Heure | Vit./n. |
| 1 | 0125 | **0435** | +1.6 | **16** | 0135 | **0445** | +1.0 |
| | 0735 | **1040** | −1.5 | | 0740 | **1040** | −1.0 |
| SA | 1355 | **1700** | +1.6 | SU | 1400 | **1710** | +1.1 |
| SA | 2000 | **2305** | −1.5 | DI | 2000 | **2305** | −1.0 |
| 2 | 0225 | **0530** | +1.7 | **17** | 0225 | **0530** | +1.2 |
| | 0825 | **1135** | −1.5 | | 0820 | **1125** | −1.1 |
| SU | 1450 | **1755** | +1.7 | MO | 1450 | **1755** | +1.3 |
| DI | 2055 | | | LU | 2045 | **2350** | −1.1 |
| 3 | | **0005** | −1.6 | **18** | 0310 | **0615** | +1.3 |
| | 0320 | **0620** | +1.8 | | 0905 | **1210** | −1.2 |
| MO | 0920 | **1230** | −1.6 | TU | 1535 | **1835** | +1.4 |
| LU | 1545 | **1845** | +1.8 | MA | 2125 | | |
| | 2145 | | | | | | |
| 4 | | **0100** | −1.6 | **19** | | **0035** | −1.3 |
| | 0410 | **0705** | +1.8 | | 0355 | **0655** | +1.5 |
| TU | 1005 | **1325** | −1.6 | WE | 0945 | **1255** | −1.3 |
| MA | 1635 | **1930** | +1.8 | ME | 1615 | **1915** | +1.6 |
| | 2230 | | | | 2210 | | |
| 5 | | **0150** | −1.6 | **20** | | **0120** | −1.4 |
| | 0500 | **0750** | +1.8 | | 0440 | **0735** | +1.7 |
| WE | 1055 | **1420** | −1.6 | TH | 1030 | **1340** | −1.4 |
| ME | 1720 | **2015** | +1.8 | JE | 1700 | **1955** | +1.7 |
| | 2315 | | | | 2250 | | |
| 6 | | **0245** | −1.6 | **21** | | **0205** | −1.5 |
| | 0545 | **0835** | +1.8 | | 0520 | **0815** | +1.8 |
| TH | 1140 | **1505** | −1.5 | FR | 1110 | **1425** | −1.5 |
| JE | 1805 | **2055** | +1.7 | VE | 1740 | **2040** | +1.8 |
| | | | | | 2335 | | |
| 7 | 0005 | **0330** | −1.5 | **22** | | **0250** | −1.5 |
| | 0630 | **0920** | +1.7 | | 0605 | **0900** | +1.8 |
| FR | 1225 | **1555** | −1.4 | SA | 1155 | **1515** | −1.6 |
| VE | 1850 | **2140** | +1.6 | SA | 1825 | **2120** | +1.8 |
| 8 | 0050 | **0420** | −1.4 | **23** | 0020 | **0335** | −1.6 |
| | 0715 | **1000** | +1.5 | | 0650 | **0945** | +1.8 |
| SA | 1310 | **1645** | −1.3 | SU | 1240 | **1600** | −1.6 |
| SA | 1935 | **2220** | +1.5 | DI | 1910 | **2205** | +1.8 |
| 9 | 0135 | **0505** | −1.3 | **24** | 0105 | **0430** | −1.6 |
| | 0800 | **1045** | +1.4 | | 0735 | **1030** | +1.7 |
| SU | 1355 | **1730** | −1.2 | MO | 1330 | **1655** | −1.5 |
| DI | 2020 | **2305** | +1.3 | LU | 2000 | **2255** | +1.7 |
| 10 | 0220 | **0550** | −1.1 | **25** | 0200 | **0520** | −1.5 |
| | 0845 | **1130** | +1.2 | | 0825 | **1120** | +1.6 |
| MO | 1445 | **1815** | −1.1 | TU | 1425 | **1750** | −1.5 |
| LU | 2105 | **2355** | +1.1 | MA | 2050 | **2345** | +1.6 |
| 11 | 0310 | **0640** | −1.0 | **26** | 0255 | **0620** | −1.4 |
| | 0930 | **1220** | +1.0 | | 0920 | **1215** | +1.5 |
| TU | 1540 | **1905** | −1.0 | WE | 1525 | **1845** | −1.4 |
| MA | 2155 | | | ME | 2150 | | |
| 12 | | **0045** | +1.0 | **27** | | **0045** | +1.4 |
| | 0405 | **0725** | −0.9 | | 0400 | **0715** | −1.4 |
| WE | 1020 | **1315** | +0.9 | TH | 1020 | **1320** | +1.4 |
| ME | 1635 | **1950** | −0.9 | JE | 1635 | **1950** | −1.4 |
| | 2245 | | | | 2250 | | |
| 13 | | **0145** | +0.9 | **28** | | **0155** | +1.3 |
| | 0505 | **0815** | −0.9 | | 0505 | **0820** | −1.3 |
| TH | 1115 | **1420** | +0.8 | FR | 1125 | **1430** | +1.3 |
| JE | 1730 | **2040** | −0.8 | VE | 1740 | **2050** | −1.3 |
| | 2345 | | | | 2355 | | |
| 14 | | **0250** | +0.8 | **29** | | **0305** | +1.3 |
| | 0600 | **0905** | −0.8 | | 0615 | **0920** | −1.3 |
| FR | 1210 | **1520** | +0.9 | SA | 1230 | **1540** | +1.4 |
| VE | 1825 | **2130** | −0.9 | SA | 1845 | **2150** | −1.4 |
| 15 | 0040 | **0350** | +0.9 | **30** | 0105 | **0415** | +1.4 |
| | 0650 | **0950** | −0.9 | | 0715 | **1025** | −1.4 |
| SA | 1310 | **1620** | +1.0 | SU | 1335 | **1645** | +1.5 |
| SA | 1915 | **2215** | −0.9 | DI | 1945 | **2255** | −1.4 |
| | | | | **31** | 0210 | **0515** | +1.6 |
| | | | | | 0815 | **1125** | −1.5 |
| | | | | MO | 1435 | **1740** | +1.6 |
| | | | | LU | 2040 | **2350** | −1.5 |

### AUGUST-AOUT

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn. | Jour | Heure | Heure | Vit./n. |
| 1 | 0305 | **0605** | +1.7 | **16** | 0245 | **0550** | +1.4 |
| | 0905 | **1220** | −1.5 | | 0845 | **1150** | −1.3 |
| TU | 1530 | **1830** | +1.7 | WE | 1510 | **1815** | +1.5 |
| MA | 2130 | | | ME | 2105 | | |
| 2 | | **0045** | −1.6 | **17** | | **0010** | −1.3 |
| | 0355 | **0650** | +1.8 | | 0330 | **0635** | +1.6 |
| WE | 0955 | **1310** | −1.6 | TH | 0925 | **1235** | −1.4 |
| ME | 1620 | **1915** | +1.8 | JE | 1555 | **1855** | +1.7 |
| | 2215 | | | | 2150 | | |
| 3 | | **0135** | −1.6 | **18** | | **0055** | −1.5 |
| | 0440 | **0735** | +1.8 | | 0415 | **0715** | +1.8 |
| TH | 1035 | **1400** | −1.6 | FR | 1010 | **1320** | −1.6 |
| JE | 1705 | **1955** | +1.8 | VE | 1635 | **1935** | +1.9 |
| | 2300 | | | | 2230 | | |
| 4 | | **0225** | −1.6 | **19** | | **0140** | −1.6 |
| | 0525 | **0815** | +1.8 | | 0500 | **0755** | +1.9 |
| FR | 1120 | **1445** | −1.5 | SA | 1050 | **1405** | −1.7 |
| VE | 1745 | **2035** | +1.7 | SA | 1720 | **2015** | +2.0 |
| | 2340 | | | | 2315 | | |
| 5 | | **0305** | −1.5 | **20** | | **0225** | −1.7 |
| | 0605 | **0855** | +1.7 | | 0540 | **0840** | +2.0 |
| SA | 1200 | **1530** | −1.5 | SU | 1135 | **1450** | −1.7 |
| SA | 1825 | **2115** | +1.6 | DI | 1800 | **2100** | +2.0 |
| | | | | | 2355 | | |
| 6 | 0020 | **0350** | −1.4 | **21** | | **0310** | −1.7 |
| | 0645 | **0935** | +1.6 | | 0625 | **0920** | +2.0 |
| SU | 1240 | **1610** | −1.3 | MO | 1220 | **1535** | −1.7 |
| DI | 1905 | **2150** | +1.5 | LU | 1845 | **2140** | +1.9 |
| 7 | 0100 | **0430** | −1.3 | **22** | 0045 | **0400** | −1.7 |
| | 0725 | **1010** | +1.4 | | 0710 | **1005** | +1.9 |
| MO | 1320 | **1650** | −1.2 | TU | 1305 | **1625** | −1.6 |
| LU | 1945 | **2230** | +1.3 | MA | 1935 | **2230** | +1.8 |
| 8 | 0140 | **0510** | −1.1 | **23** | 0135 | **0455** | −1.6 |
| | 0805 | **1050** | +1.2 | | 0800 | **1055** | +1.7 |
| TU | 1400 | **1730** | −1.0 | WE | 1400 | **1725** | −1.5 |
| MA | 2025 | **2310** | +1.1 | ME | 2025 | **2320** | +1.6 |
| 9 | 0220 | **0555** | −1.0 | **24** | 0230 | **0550** | −1.4 |
| | 0845 | **1135** | +1.1 | | 0855 | **1145** | +1.5 |
| WE | 1445 | **1815** | −0.9 | TH | 1500 | **1825** | −1.4 |
| ME | 2110 | **2355** | +1.0 | JE | 2125 | | |
| 10 | 0310 | **0640** | −0.9 | **25** | | **0020** | +1.4 |
| | 0935 | **1225** | +0.9 | | 0335 | **0655** | −1.3 |
| TH | 1540 | **1905** | −0.8 | FR | 0955 | **1250** | +1.3 |
| JE | 2200 | | | VE | 1610 | **1925** | −1.3 |
| | | | | | 2225 | | |
| 11 | | **0050** | +0.8 | **26** | | **0125** | +1.3 |
| | 0410 | **0730** | −0.8 | | 0445 | **0800** | −1.3 |
| FR | 1025 | **1320** | +0.8 | SA | 1100 | **1405** | +1.2 |
| VE | 1640 | **1955** | −0.8 | SA | 1720 | **2030** | −1.3 |
| | 2255 | | | | 2335 | | |
| 12 | | **0155** | +0.8 | **27** | | **0245** | +1.2 |
| | 0510 | **0825** | −0.8 | | 0555 | **0905** | −1.3 |
| SA | 1125 | **1435** | +0.8 | SU | 1210 | **1520** | +1.3 |
| SA | 1745 | **2050** | −0.8 | DI | 1830 | **2135** | −1.3 |
| 13 | 0000 | **0310** | +0.8 | **28** | 0045 | **0355** | +1.3 |
| | 0615 | **0920** | −0.8 | | 0700 | **1010** | −1.3 |
| SU | 1230 | **1545** | +0.9 | MO | 1320 | **1630** | +1.4 |
| DI | 1840 | **2145** | −0.9 | LU | 1930 | **2240** | −1.4 |
| 14 | 0100 | **0415** | +1.0 | **29** | 0150 | **0455** | +1.5 |
| | 0710 | **1010** | −0.9 | | 0800 | **1110** | −1.4 |
| MO | 1330 | **1640** | +1.1 | TU | 1420 | **1725** | +1.5 |
| LU | 1935 | **2235** | −1.0 | MA | 2025 | **2335** | −1.4 |
| 15 | 0200 | **0505** | +1.2 | **30** | 0245 | **0545** | +1.6 |
| | 0800 | **1100** | −1.1 | | 0850 | **1205** | −1.5 |
| TU | 1425 | **1730** | +1.3 | WE | 1510 | **1810** | +1.7 |
| MA | 2020 | **2325** | −1.2 | ME | 2110 | | |
| | | | | **31** | | **0030** | −1.5 |
| | | | | | 0335 | **0630** | +1.7 |
| | | | | TH | 0935 | **1255** | −1.5 |
| | | | | JE | 1600 | **1855** | +1.7 |
| | | | | | 2155 | | |

### SEPTEMBER-SEPTEMBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn. | Jour | Heure | Heure | Vit./n. |
| 1 | | **0115** | −1.5 | **16** | | **0035** | −1.6 |
| | 0420 | **0715** | +1.8 | | 0350 | **0650** | +1.9 |
| FR | 1015 | **1335** | −1.5 | SA | 0945 | **1255** | −1.7 |
| VE | 1640 | **1935** | +1.8 | SA | 1610 | **1915** | +2.0 |
| | 2235 | | | | 2210 | | |
| 2 | | **0200** | −1.5 | **17** | | **0115** | −1.7 |
| | 0500 | **0750** | +1.7 | | 0435 | **0735** | +2.0 |
| SA | 1055 | **1415** | −1.5 | SU | 1030 | **1340** | −1.8 |
| SA | 1720 | **2010** | +1.7 | DI | 1655 | **1955** | +2.0 |
| | 2310 | | | | 2250 | | |
| 3 | | **0235** | −1.5 | **18** | | **0200** | −1.8 |
| | 0540 | **0830** | +1.7 | | 0520 | **0815** | +2.1 |
| SU | 1130 | **1455** | −1.4 | MO | 1110 | **1425** | −1.8 |
| DI | 1755 | **2045** | +1.6 | LU | 1740 | **2035** | +2.0 |
| | 2345 | | | | 2335 | | |
| 4 | | **0315** | −1.4 | **19** | | **0250** | −1.8 |
| | 0615 | **0905** | +1.6 | | 0600 | **0900** | +2.0 |
| MO | 1205 | **1530** | −1.3 | TU | 1155 | **1515** | −1.7 |
| LU | 1835 | **2120** | +1.5 | MA | 1825 | **2120** | +2.0 |
| 5 | 0020 | **0350** | −1.2 | **20** | 0020 | **0340** | −1.7 |
| | 0650 | **0940** | +1.4 | | 0650 | **0945** | +1.9 |
| TU | 1240 | **1605** | −1.2 | WE | 1245 | **1605** | −1.6 |
| MA | 1910 | **2155** | +1.4 | ME | 1915 | **2205** | +1.8 |
| 6 | 0055 | **0425** | −1.1 | **21** | 0110 | **0430** | −1.6 |
| | 0730 | **1015** | +1.3 | | 0740 | **1030** | +1.7 |
| WE | 1315 | **1645** | −1.0 | TH | 1340 | **1700** | −1.5 |
| ME | 1945 | **2235** | +1.2 | JE | 2005 | **2255** | +1.6 |
| 7 | 0135 | **0505** | −1.0 | **22** | 0205 | **0530** | −1.4 |
| | 0810 | **1055** | +1.1 | | 0835 | **1125** | +1.5 |
| TH | 1400 | **1725** | −0.9 | FR | 1440 | **1805** | −1.3 |
| JE | 2030 | **2315** | +1.0 | VE | 2105 | **2355** | +1.4 |
| 8 | 0220 | **0550** | −0.8 | **23** | 0310 | **0635** | −1.3 |
| | 0850 | **1140** | +0.9 | | 0935 | **1230** | +1.3 |
| FR | 1450 | **1820** | −0.8 | SA | 1545 | **1910** | −1.2 |
| VE | 2120 | | | SA | 2205 | | |
| 9 | | **0005** | +0.9 | **24** | | **0105** | +1.2 |
| | 0320 | **0650** | −0.8 | | 0425 | **0740** | −1.2 |
| SA | 0945 | **1235** | +0.8 | SU | 1040 | **1340** | +1.2 |
| SA | 1555 | **1915** | −0.8 | DI | 1700 | **2015** | −1.2 |
| | 2215 | | | | 2315 | | |
| 10 | | **0110** | +0.8 | **25** | | **0220** | +1.2 |
| | 0430 | **0745** | −0.8 | | 0535 | **0845** | −1.2 |
| SU | 1045 | **1350** | +0.8 | MO | 1150 | **1500** | +1.2 |
| DI | 1705 | **2020** | −0.8 | LU | 1810 | **2120** | −1.2 |
| | 2320 | | | | | | |
| 11 | | **0230** | +0.8 | **26** | 0025 | **0335** | +1.3 |
| | 0540 | **0845** | −0.8 | | 0640 | **0950** | −1.3 |
| MO | 1155 | **1505** | +0.9 | TU | 1300 | **1610** | +1.3 |
| LU | 1810 | **2115** | −0.9 | MA | 1910 | **2220** | −1.3 |
| 12 | 0030 | **0340** | +1.0 | **27** | 0130 | **0435** | +1.4 |
| | 0640 | **0945** | −1.0 | | 0740 | **1050** | −1.3 |
| TU | 1300 | **1610** | +1.1 | WE | 1400 | **1700** | +1.5 |
| MA | 1905 | **2210** | −1.1 | ME | 2005 | **2315** | −1.4 |
| 13 | 0125 | **0440** | +1.2 | **28** | 0225 | **0525** | +1.5 |
| | 0730 | **1035** | −1.2 | | 0825 | **1140** | −1.4 |
| WE | 1355 | **1705** | +1.3 | TH | 1450 | **1750** | +1.6 |
| ME | 1955 | **2300** | −1.3 | JE | 2050 | | |
| 14 | 0220 | **0525** | +1.5 | **29** | | **0005** | −1.4 |
| | 0820 | **1125** | −1.4 | | 0310 | **0610** | +1.6 |
| TH | 1445 | **1750** | +1.6 | FR | 0910 | **1225** | −1.5 |
| JE | 2040 | **2350** | −1.5 | VE | 1535 | **1830** | +1.6 |
| | | | | | 2130 | | |
| 15 | 0305 | **0610** | +1.7 | **30** | | **0045** | −1.5 |
| | 0905 | **1210** | −1.5 | | 0355 | **0650** | +1.7 |
| FR | 1530 | **1830** | +1.8 | SA | 0950 | **1305** | −1.5 |
| VE | 2125 | | | SA | 1615 | **1905** | +1.7 |
| | | | | | 2205 | | |

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+ FLOOD/FLOT DIRECTION 130 TRUE/VRAIE  − EBB/JUSANT DIRECTION 310 TRUE/VRAIE

## TABLE DES COURANTS

# ABEGWEIT PASSAGE (HNA 2-4)

1989

### OCTOBER-OCTOBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| **1** | | **0125** | −1.4 | **16** | | **0055** | −1.8 |
| | 0430 | **0725** | +1.7 | | 0410 | **0710** | +2.0 |
| SU | 1025 | **1345** | −1.4 | MO | 1005 | **1315** | −1.8 |
| DI | 1650 | **1940** | +1.6 | LU | 1635 | **1935** | +2.1 |
| | 2240 | | | | 2230 | | |
| **2** | | **0200** | −1.4 | **17** | | **0140** | −1.8 |
| | 0510 | **0800** | +1.6 | | 0455 | **0755** | +2.1 |
| MO | 1100 | **1420** | −1.3 | TU | 1050 | **1405** | −1.8 |
| LU | 1725 | **2015** | +1.6 | MA | 1720 | **2015** | +2.0 |
| | 2315 | | | | 2315 | | |
| **3** | | **0235** | −1.3 | **18** | | **0230** | −1.8 |
| | 0545 | **0835** | +1.5 | | 0545 | **0840** | +2.0 |
| TU | 1130 | **1450** | −1.2 | WE | 1140 | **1455** | −1.7 |
| MA | 1800 | **2050** | +1.5 | ME | 1805 | **2100** | +1.9 |
| | 2345 | | | | | | |
| **4** | | **0310** | −1.2 | **19** | 0000 | **0320** | −1.7 |
| | 0620 | **0910** | +1.4 | | 0630 | **0925** | +1.9 |
| WE | 1205 | **1525** | −1.1 | TH | 1225 | **1550** | −1.6 |
| ME | 1835 | **2125** | +1.4 | JE | 1855 | **2150** | +1.8 |
| **5** | 0020 | **0345** | −1.1 | **20** | 0050 | **0415** | −1.5 |
| | 0655 | **0945** | +1.3 | | 0720 | **1015** | +1.7 |
| TH | 1240 | **1600** | −1.0 | FR | 1320 | **1645** | −1.5 |
| JE | 1915 | **2205** | +1.2 | VE | 1950 | **2240** | +1.6 |
| **6** | 0100 | **0425** | −1.0 | **21** | 0150 | **0515** | −1.4 |
| | 0735 | **1025** | +1.2 | | 0815 | **1105** | +1.5 |
| FR | 1325 | **1650** | −0.9 | SA | 1420 | **1750** | −1.3 |
| VE | 1955 | **2245** | +1.1 | SA | 2045 | **2335** | +1.4 |
| **7** | 0145 | **0515** | −0.9 | **22** | 0255 | **0620** | −1.3 |
| | 0820 | **1110** | +1.0 | | 0915 | **1205** | +1.3 |
| SA | 1415 | **1745** | −0.9 | SU | 1530 | **1850** | −1.2 |
| SA | 2045 | **2335** | +1.0 | DI | 2145 | | |
| **8** | 0245 | **0615** | −0.8 | **23** | | **0040** | +1.2 |
| | 0915 | **1205** | +0.9 | | 0405 | **0725** | −1.2 |
| SU | 1515 | **1845** | −0.8 | MO | 1020 | **1315** | +1.2 |
| DI | 2145 | | | LU | 1640 | **1955** | −1.2 |
| | | | | | 2255 | | |
| **9** | | **0035** | +0.9 | **24** | | **0155** | +1.2 |
| | 0355 | **0715** | −0.9 | | 0515 | **0825** | −1.2 |
| MO | 1015 | **1315** | +0.9 | TU | 1125 | **1435** | +1.2 |
| LU | 1630 | **1950** | −0.9 | MA | 1745 | **2055** | −1.2 |
| | 2250 | | | | | | |
| **10** | | **0150** | +0.9 | **25** | 0000 | **0310** | +1.2 |
| | 0505 | **0820** | −0.9 | | 0615 | **0925** | −1.2 |
| TU | 1120 | **1430** | +1.0 | WE | 1230 | **1540** | +1.2 |
| MA | 1740 | **2045** | −1.0 | ME | 1845 | **2150** | −1.2 |
| | 2355 | | | | | | |
| **11** | | **0305** | +1.1 | **26** | 0100 | **0410** | +1.3 |
| | 0610 | **0915** | −1.1 | | 0710 | **1020** | −1.3 |
| WE | 1225 | **1535** | +1.2 | TH | 1330 | **1635** | +1.3 |
| ME | 1835 | **2140** | −1.2 | JE | 1935 | **2245** | −1.3 |
| **12** | 0055 | **0405** | +1.3 | **27** | 0155 | **0500** | +1.4 |
| | 0705 | **1005** | −1.3 | | 0800 | **1110** | −1.3 |
| TH | 1320 | **1635** | +1.4 | FR | 1420 | **1720** | +1.4 |
| JE | 1930 | **2230** | −1.4 | VE | 2020 | **2330** | −1.3 |
| **13** | 0150 | **0500** | +1.5 | **28** | 0240 | **0540** | +1.5 |
| | 0755 | **1055** | −1.5 | | 0840 | **1155** | −1.3 |
| FR | 1415 | **1720** | +1.6 | SA | 1505 | **1800** | +1.5 |
| VE | 2015 | **2320** | −1.5 | SA | 2100 | | |
| **14** | 0240 | **0545** | +1.7 | **29** | | **0015** | −1.3 |
| | 0840 | **1145** | −1.6 | | 0325 | **0620** | +1.5 |
| SA | 1500 | **1805** | +1.8 | SU | 0920 | **1235** | −1.3 |
| SA | 2100 | | | DI | 1545 | **1840** | +1.5 |
| | | | | | 2135 | | |
| **15** | | **0005** | −1.7 | **30** | | **0050** | −1.3 |
| | 0325 | **0630** | +1.9 | | 0405 | **0655** | +1.5 |
| SU | 0925 | **1230** | −1.7 | MO | 0955 | **1310** | −1.3 |
| DI | 1550 | **1850** | +2.0 | LU | 1620 | **1915** | +1.5 |
| | 2145 | | | | 2210 | | |
| | | | | **31** | | **0125** | −1.3 |
| | | | | | 0440 | **0730** | +1.5 |
| | | | | TU | 1025 | **1345** | −1.2 |
| | | | | MA | 1655 | **1950** | +1.5 |
| | | | | | 2245 | | |

### NOVEMBER-NOVEMBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| **1** | | **0200** | −1.2 | **16** | | **0215** | −1.7 |
| | 0515 | **0805** | +1.5 | | 0525 | **0820** | +2.0 |
| WE | 1100 | **1415** | −1.2 | TH | 1120 | **1440** | −1.7 |
| ME | 1730 | **2025** | +1.4 | JE | 1750 | **2045** | +1.9 |
| | 2320 | | | | 2345 | | |
| **2** | | **0235** | −1.2 | **17** | | **0310** | −1.6 |
| | 0550 | **0845** | +1.4 | | 0615 | **0910** | +1.8 |
| TH | 1135 | **1450** | −1.1 | FR | 1210 | **1535** | −1.6 |
| JE | 1810 | **2100** | +1.4 | VE | 1840 | **2130** | +1.8 |
| | 2355 | | | | | | |
| **3** | | **0310** | −1.1 | **18** | 0035 | **0405** | −1.5 |
| | 0630 | **0920** | +1.3 | | 0705 | **0955** | +1.7 |
| FR | 1215 | **1530** | −1.1 | SA | 1305 | **1635** | −1.5 |
| VE | 1850 | **2140** | +1.3 | SA | 1930 | **2220** | +1.6 |
| **4** | 0035 | **0355** | −1.0 | **19** | 0130 | **0500** | −1.4 |
| | 0710 | **1000** | +1.3 | | 0800 | **1050** | +1.5 |
| SA | 1255 | **1620** | −1.0 | SU | 1400 | **1730** | −1.3 |
| SA | 1930 | **2225** | +1.2 | DI | 2025 | **2315** | +1.4 |
| **5** | 0120 | **0445** | −1.0 | **20** | 0230 | **0600** | −1.3 |
| | 0755 | **1045** | +1.2 | | 0855 | **1145** | +1.3 |
| SU | 1350 | **1715** | −1.0 | MO | 1505 | **1830** | −1.3 |
| DI | 2020 | **2315** | +1.1 | LU | 2125 | | |
| **6** | 0215 | **0545** | −1.0 | **21** | | **0015** | +1.3 |
| | 0850 | **1140** | +1.1 | | 0335 | **0700** | −1.2 |
| MO | 1450 | **1815** | −1.0 | TU | 0955 | **1245** | +1.2 |
| LU | 2115 | | | MA | 1610 | **1930** | −1.2 |
| | | | | | 2225 | | |
| **7** | | **0010** | +1.1 | **22** | | **0120** | +1.1 |
| | 0320 | **0650** | −1.0 | | 0445 | **0755** | −1.2 |
| TU | 0945 | **1240** | +1.1 | WE | 1055 | **1355** | +1.1 |
| MA | 1555 | **1915** | −1.0 | ME | 1715 | **2025** | −1.2 |
| | 2215 | | | | 2325 | | |
| **8** | | **0115** | +1.1 | **23** | | **0230** | +1.1 |
| | 0430 | **0745** | −1.1 | | 0545 | **0850** | −1.2 |
| WE | 1045 | **1350** | +1.1 | TH | 1155 | **1500** | +1.1 |
| ME | 1705 | **2015** | −1.1 | JE | 1810 | **2120** | −1.1 |
| | 2320 | | | | | | |
| **9** | | **0225** | +1.2 | **24** | 0025 | **0330** | +1.1 |
| | 0535 | **0845** | −1.2 | | 0640 | **0945** | −1.1 |
| TH | 1150 | **1500** | +1.2 | FR | 1250 | **1600** | +1.2 |
| JE | 1805 | **2110** | −1.3 | VE | 1900 | **2210** | −1.1 |
| **10** | 0020 | **0330** | +1.3 | **25** | 0120 | **0425** | +1.2 |
| | 0630 | **0935** | −1.4 | | 0725 | **1035** | −1.2 |
| FR | 1250 | **1600** | +1.4 | SA | 1345 | **1650** | +1.2 |
| VE | 1900 | **2200** | −1.4 | SA | 1950 | **2255** | −1.2 |
| **11** | 0115 | **0425** | +1.5 | **26** | 0210 | **0510** | +1.3 |
| | 0725 | **1030** | −1.5 | | 0810 | **1120** | −1.2 |
| SA | 1345 | **1655** | +1.6 | SU | 1430 | **1730** | +1.3 |
| SA | 1950 | **2255** | −1.6 | DI | 2030 | **2335** | −1.2 |
| **12** | 0210 | **0520** | +1.7 | **27** | 0255 | **0550** | +1.3 |
| | 0815 | **1120** | −1.6 | | 0845 | **1200** | −1.2 |
| SU | 1435 | **1740** | +1.8 | MO | 1515 | **1810** | +1.3 |
| DI | 2040 | **2345** | −1.7 | LU | 2105 | | |
| **13** | 0300 | **0605** | +1.9 | **28** | | **0020** | −1.2 |
| | 0900 | **1210** | −1.7 | | 0335 | **0630** | +1.4 |
| MO | 1525 | **1830** | +1.9 | TU | 0925 | **1235** | −1.2 |
| LU | 2125 | | | MA | 1555 | **1850** | +1.4 |
| | | | | | 2140 | | |
| **14** | | **0030** | −1.7 | **29** | | **0055** | −1.2 |
| | 0350 | **0650** | +2.0 | | 0410 | **0705** | +1.4 |
| TU | 0950 | **1255** | −1.7 | WE | 1000 | **1310** | −1.2 |
| MA | 1615 | **1915** | +2.0 | ME | 1630 | **1925** | +1.4 |
| | 2210 | | | | 2215 | | |
| **15** | | **0120** | −1.7 | **30** | | **0130** | −1.2 |
| | 0440 | **0735** | +2.0 | | 0450 | **0745** | +1.4 |
| WE | 1035 | **1350** | −1.7 | TH | 1035 | **1345** | −1.2 |
| ME | 1700 | **2000** | +2.0 | JE | 1710 | **2000** | +1.4 |
| | 2300 | | | | 2255 | | |

### DECEMBER-DECEMBRE

| Turns | | Maximum | | Renverse | | Maximum | |
|---|---|---|---|---|---|---|---|
| Day | Time | Time | Rate/kn | Jour | Heure | Heure | Vit/n |
| **1** | | **0205** | −1.2 | **16** | | **0255** | −1.6 |
| | 0525 | **0820** | +1.4 | | 0600 | **0855** | +1.8 |
| FR | 1110 | **1425** | −1.2 | SA | 1155 | **1525** | −1.6 |
| VE | 1745 | **2040** | +1.4 | SA | 1825 | **2115** | +1.8 |
| | 2330 | | | | | | |
| **2** | | **0245** | −1.2 | **17** | 0020 | **0350** | −1.5 |
| | 0605 | **0900** | +1.4 | | 0650 | **0940** | +1.7 |
| SA | 1155 | **1510** | −1.2 | SU | 1245 | **1615** | −1.5 |
| SA | 1825 | **2120** | +1.4 | DI | 1915 | **2205** | +1.6 |
| **3** | 0015 | **0330** | −1.2 | **18** | 0115 | **0445** | −1.4 |
| | 0650 | **0940** | +1.4 | | 0740 | **1025** | +1.6 |
| SU | 1235 | **1600** | −1.2 | MO | 1340 | **1710** | −1.4 |
| DI | 1910 | **2205** | +1.4 | LU | 2005 | **2250** | +1.5 |
| **4** | 0100 | **0425** | −1.2 | **19** | 0205 | **0535** | −1.3 |
| | 0735 | **1025** | +1.4 | | 0830 | **1115** | +1.4 |
| MO | 1325 | **1650** | −1.2 | TU | 1435 | **1800** | −1.3 |
| LU | 2000 | **2250** | +1.3 | MA | 2055 | **2340** | +1.3 |
| **5** | 0155 | **0520** | −1.2 | **20** | 0305 | **0630** | −1.2 |
| | 0825 | **1115** | +1.3 | | 0920 | **1210** | +1.2 |
| TU | 1420 | **1750** | −1.2 | WE | 1535 | **1855** | −1.2 |
| MA | 2050 | **2345** | +1.3 | ME | 2150 | | |
| **6** | 0250 | **0615** | −1.2 | **21** | | **0040** | +1.1 |
| | 0915 | **1210** | +1.3 | | 0400 | **0720** | −1.1 |
| WE | 1525 | **1845** | −1.2 | TH | 1015 | **1310** | +1.1 |
| ME | 2145 | | | JE | 1630 | **1945** | −1.1 |
| | | | | | 2245 | | |
| **7** | | **0045** | +1.3 | **22** | | **0140** | +1.0 |
| | 0355 | **0715** | −1.2 | | 0500 | **0815** | −1.0 |
| TH | 1015 | **1315** | +1.3 | FR | 1110 | **1415** | +1.0 |
| JE | 1630 | **1945** | −1.3 | VE | 1730 | **2040** | −1.0 |
| | 2245 | | | | 2340 | | |
| **8** | | **0150** | +1.3 | **23** | | **0245** | +1.0 |
| | 0500 | **0810** | −1.3 | | 0600 | **0905** | −1.0 |
| FR | 1115 | **1420** | +1.3 | SA | 1210 | **1520** | +1.0 |
| VE | 1730 | **2040** | −1.3 | SA | 1825 | **2130** | −1.0 |
| | 2345 | | | | | | |
| **9** | | **0255** | +1.4 | **24** | 0040 | **0345** | +1.0 |
| | 0600 | **0905** | −1.4 | | 0650 | **0955** | −1.0 |
| SA | 1215 | **1525** | +1.4 | SU | 1305 | **1615** | +1.0 |
| SA | 1830 | **2135** | −1.4 | DI | 1915 | **2220** | −1.0 |
| **10** | 0045 | **0355** | +1.5 | **25** | 0130 | **0440** | +1.1 |
| | 0655 | **1000** | −1.5 | | 0735 | **1040** | −1.0 |
| SU | 1315 | **1625** | +1.6 | MO | 1355 | **1700** | +1.1 |
| DI | 1925 | **2230** | −1.5 | LU | 1955 | **2305** | −1.0 |
| **11** | 0145 | **0455** | +1.6 | **26** | 0220 | **0525** | +1.1 |
| | 0750 | **1055** | −1.6 | | 0815 | **1125** | −1.0 |
| MO | 1415 | **1720** | +1.7 | TU | 1445 | **1745** | +1.2 |
| LU | 2015 | **2320** | −1.6 | MA | 2035 | **2345** | −1.0 |
| **12** | 0240 | **0545** | +1.8 | **27** | 0305 | **0605** | +1.2 |
| | 0840 | **1150** | −1.6 | | 0855 | **1205** | −1.1 |
| TU | 1505 | **1810** | +1.8 | WE | 1525 | **1825** | +1.3 |
| MA | 2105 | | | ME | 2115 | | |
| **13** | | **0015** | −1.7 | **28** | | **0025** | −1.1 |
| | 0335 | **0635** | +1.9 | | 0345 | **0645** | +1.3 |
| WE | 0930 | **1245** | −1.7 | TH | 0935 | **1245** | −1.1 |
| ME | 1600 | **1900** | +1.9 | JE | 1605 | **1905** | +1.4 |
| | 2155 | | | | 2155 | | |
| **14** | | **0110** | −1.7 | **29** | | **0105** | −1.2 |
| | 0425 | **0720** | +1.9 | | 0425 | **0720** | +1.4 |
| TH | 1020 | **1335** | −1.7 | FR | 1015 | **1325** | −1.2 |
| JE | 1650 | **1945** | +1.9 | VE | 1645 | **1940** | +1.5 |
| | 2245 | | | | 2235 | | |
| **15** | | **0205** | −1.7 | **30** | | **0145** | −1.2 |
| | 0515 | **0810** | +1.9 | | 0505 | **0800** | +1.5 |
| FR | 1110 | **1430** | −1.6 | SA | 1050 | **1405** | −1.3 |
| VE | 1735 | **2030** | +1.9 | SA | 1725 | **2020** | +1.5 |
| | 2335 | | | | 2315 | | |
| | | | | **31** | | **0225** | −1.3 |
| | | | | | 0545 | **0840** | +1.6 |
| | | | | SU | 1135 | **1450** | −1.3 |
| | | | | DI | 1805 | **2100** | +1.6 |
| | | | | | 2355 | | |

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\+ FLOOD/FLOT DIRECTION 130 TRUE/VRAIE  − EBB/JUSANT DIRECTION 310 TRUE/VRAIE

# Publications

***Canadian Tide and Current Tables*** - published in six volumes:

Volume 1
Atlantic Coast and Bay of Fundy

Volume 2
Gulf of St. Lawrence

Volume 3
St. Lawrence and Saguenay Rivers

Volume 4
Arctic and Hudson Bay

Volume 5
Juan de Fuca Strait and Strait of Georgia

Volume 6
Barkley Sound and Discovery Passage to Dixon Entrance.

Composite volumes are also available
Atlantic Coast - Volumes 1-4
Pacific Coast - Volumes 5 and 6

These books contain daily tide and current tables for selected Reference Ports and Current Stations, time and height differences for Secondary Ports and time differences and rates for Secondary Current Stations.

***Tides in Canadian Waters*** - an informative booklet containing an outline of the theory of tides along with descriptions and maps of the types which are found in Canadian waters.

***Water Levels*** - a yearly publication in up to three volumes containing tabulated daily mean water levels, times and heights of observed high and low water and other information pertaining to the present Canadian Hydrographic Service permanent gauges.

***Monthly and Yearly Mean Water Levels*** - a supplement to "Water Levels" issued regularly in up to two volumes containing tabulated monthly and yearly mean water levels for the full period of operation of both past and present Canadian Hydrographic Service permanent gauges. Also presented are ten-year and all-time averages of the monthly and yearly mean levels.

***Tide and Water Level Bench Marks*** - a publication, in seven volumes, containing a comprehensive list of bench marks which are referred to the datum of Canadian Hydrographic Service charts and which are located along the coasts and on the shores covered by these charts. The number or name of each bench mark is given, along with its height above chart datum, and a full description of its location. A sketch showing the position of the bench mark in relation to nearby landmarks is usually included.

# Publications

***Tables des marées et courants du Canada*** - publiées en six volumes:

Volume 1
Côte de l'Atlantique et baie de Fundy

Volume 2
Golfe du Saint-Laurent

Volume 3
Fleuve Saint-Laurent et rivière Saguenay

Volume 4
L'Arctique et la baie d'Hudson

Volume 5
Détroits de Juan de Fuca et de Georgia

Volume 6
Baie Barkley et passage Discovery jusqu'à l'entrée Dixon.

On peut se procurer ces volumes sous forme combinée
Côte Atlantique - Volumes 1-4
Côte Pacifique - Volumes 5 et 6

Ces publications renferment des tables quotidiennes des marées et des courants pour certains ports de référence et stations de référence des courants, les différences de temps et de hauteur pour les ports secondaires, ainsi que les différences de temps et les vitesses des courants pour les stations secondaires des courants.

***Les marées dans les eaux du Canada*** - brochure contenant un exposé sommaire de la théorie à propos des marées ainsi que des descriptions et des cartes des types de marées qui se produisent dans les eaux du Canada.

***Niveaux d'eau*** - publications annuelle pouvant comprendre trois volumes et donnant sous forme de tableaux les niveaux quotidiens moyens de l'eau, les heures et les hauteurs observées des pleines mers et des basses mers, ainsi que d'autres renseignements relatifs aux jauges permanentes actuellement utilisées par le Service hydrographique du Canada.

***Moyennes mensuelles et annuelles des niveaux d'eau*** - publication régulière servant de complément aux "Niveaux d'eau", pouvant comprendre deux volumes et donnant sous forme de tableaux les niveaux mensuels et annuels moyens de l'eau enregistrés pendant toute la période de fonctionnement des jauges permanentes, anciennes et actuelles, du Service hydrographique du Canada. On y donne également les moyennes des niveaux mensuels et annuels moyens de l'eau calculées pour des périodes de dix années, ainsi que pour toute la période de fonctionnement des jauges.

***Marées et niveaux de l'eau-repères de nivellement*** - publication en sept volumes donnant la liste détaillée des repères de nivellement dont l'élévation est donnée par rapport au zéro des cartes marines du Service hydrographique du Canada et qui se trouvent le long des côtes et des rivages représentés sur ces cartes. On y donne le numéro ou le nom de chaque repère, sa hauteur au-dessus du zéro des cartes et la description complète de sa posit. On inclut habituellement un croquis montrant la position du repère par rapport aux bornes situées à proximité.

Six of the volumes have the same names and geographical boundaries as the six volumes of the Canadian Tide and Current Tables. The title of the seventh volume is *Great Lakes and St. Lawrence River (non-tidal)* and its boundaries include the Canadian shores of the Great Lakes and the non-tidal part of the St. Lawrence River.

***Canadian Tidal Manual*** - an authoritative reference on the theory and procedures involved in gathering and using tide, current, and water level information during hydrographic surveys and other related activities.

***Tidal Current Atlases***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel B.C.
- Current Atlas/Atlas des courants, Juan de Fuca Strait to/à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Current Charts, St. Lawrence Estuary

Copies of the foregoing publications may be obtained from the Hydrographic Chart Distribution Office of the Canadian Hydrographic Service at Ottawa, Ontario (Postal Code K1G 3H6), or Sidney, British Columbia (Postal code V8L 4B2).

## Search and Rescue Service

The Master of any vessel in distress and requiring assistance or anyone with knowledge of a vessel in distress should, in addition to using any appropriate means for soliciting the needed assistance, also communicate immediately with appropriate Rescue Coordination Centre (RCC) or Marine Rescue Sub-Centre (MRSC). Distress and safety communication messages may be sent without charge through any Coast Guard Radio Station or a Vessel Traffic Systems (VTS) Centre or relayed by any Canadian Coast Guard ship.

Distress reports may be telephoned directly to the appropriate RCC or MRSC without charge by calling the operator and stating "Marine Distress".

| | | Area Code | Telephone |
|---|---|---|---|
| Newfoundland and Labrador | MRSC St. John's, Nfld. | 709 | 772-5151 |
| Atlantic Region | RCC Halifax, N.S. | 902 | 426-4730 or 1-800-565-1582 |
| St. Lawrence River | MRSC Quebec, Que. | 418 | 648-3599 or 1-800-463-4393 |
| Great Lakes Area | RCC Trenton, Ont. | 613 | 392-2811 Local 3870 or 1-800-267-7270 |
| Arctic Region | RCC Edmonton, Alta. | 403 | 973-4402 |
| West Coast | RCC Victoria, B.C. | 604 | 380-2333 or 666-8087 or 1-800-742-1313 |

These Rescue Centres maintain an up-to-date record of the location of all government ships and will direct assistance to relieve the distress situation.

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De ces sept volumes, six ont le même titre et les mêmes bornes géographiques que les six volumes des Tables des marées et courants du Canada. Le denier, "*Les Grands Lacs et le fleuve Saint-Laurent (eaux sans marée)*", se rapporte aux rives canadiennes des Grands Lacs et au cours du Saint-Laurent non soumis à l'action des marées.

***Manuel canadien des marées*** - Ouvrage de référence qui fait autorité en ce qui concerne la théorie et les procédures liées à la collecte et à l'utilisation des données sur les marées, les courants et les niveaux d'eau dans le domaine des levés hydrographiques et d'autres activités connexes.

***Atlas des courants de marée***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel, B.C.
- Current Atlas/Atlas des courants, Juan de Fuca Strait to/à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Currents Charts, St Lawrence Estuary

Des exemplaires des publications mentionnées ci-dessus peuvent être obtenus après du Bureau de distribution des cartes hydrographiques du Service hydrographique du Canada, à Ottawa, Ontario (code postal K1G 3H6), ou à Sidney, Colombie-Britannique (code postal V8L 4B2).

## Service recherche et sauvetage

Tout capitaine de navire en détresse requérant de l'aide ou toute personne ayant connaissance d'un navire en détresse devrait, en plus d'utiliser toute méthode appropriée à l'obtention de l'assistance nécessaire, communiquer immédiatement avec le Centre de coordination du sauvetage (CCS) ou le Centre secondaire du sauvetage maritime (CSSM) le plus rapproché. Les messages de détresse et de communication sur la securité peuvent être envoyés, sans frais, par l'intermédiaire de toute station de radio de la Garde côtière ou d'un Centre de systèmes du trafic maritime (STM) ou encore relayés par tout navire de la Garde côtière canadienne.

On peut téléphoner directement et sans frais au CCS ou au CSSM le plus rapprochée en appelant le téléphoniste et en lui mentionnant "Détresse maritime".

| | | Indicatif régional | N° de téléphone |
|---|---|---|---|
| Terre-Neuve et Labrador | CSSM St. John's, T.-N. | 709 | 772-5151 |
| Région de l'Atlantique | CCS Halifax, N.-É. | 902 | 426-4730 ou 1-800-565-1582 |
| Fleuve Saint-Laurent | CSSM Québec, QC | 418 | 648-3599 ou 1-800-463-4393 |
| Zone des Grands Lacs | CCS Trenton, Ont. | 613 | 392-2811 Poste 3870 ou 1-800-267-7270 |
| Région de l'Arctique | CCS Edmonton, Alta. | 403 | 973-4402 |
| Côte Ouest | CCS Victoria, C.-B. | 604 | 380-2333 ou 666-8087 ou 1-800-742-1313 |

Ces centres de sauvetage sont sans cesse informés de la position de tous les navires du gouvernement canadien en mesure d'apporter du secours et de mettre fin à la situation de détresse.

## Canadian Supplementary Predictions

Hourly tide or current predictions can be supplied for all reference ports or current stations in this book. High and low or hourly tide predictions can also be supplied for most secondary ports in table 3 except for those which the height of "mean water level" is omitted. The hourly predictions are available with either English or French headings and in feet or metres, and knots, while the high and low predictions are available with bilingual headings and in feet or metres. The predictions are normally supplied in the form of computer listings, however selected computer compatible formats are also available. Standard fees are charged for the preparation of supplementary predictions. A schedule of these fees is available upon request.

While this service is intended principally for harbour or pilotage authorities, fleet operators, engineers, etc. who may have a specific requirement for custom predictions, it is available to anyone with a need for it. The right is reserved to modify the service, and to adjust the prediction fee, at any time, without further notice.

These predictions, which are prepared for the convenience of users, are supplements to, and not replacements for the Canadian Tide and Current Tables, which are the official tidal predictions for Canada.

Requests for this Service, specifying the index number and the name of the port or station, and the period and options selected, should be made to:

**Canadian Hydrographic Service**
**Department of Fisheries and Oceans**

at: **Dartmouth, N.S.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, B.C.**
**V8L 4B2**

or to: **Marine Environmental Data Service**
**Science**
**Department of Fisheries and Oceans**
**Ottawa, Ontario K1A 0E6**

## Prédictions supplémentaires canadiennes

Les prédictions horaires de la marée ou du courant peuvent être fournies pour tous les ports de référence ou toutes les stations de référence des courants mentionnées dans la présente publication. Les prédictions des marées basses et hautes aussi bien que les prédictions horaires peuvent également être données pour la plupart des ports secondaires énumérés à la table 3, exception faite de ceux dont le niveau moyen de l'eau n'est pas indiqué. Les prédictions horaires sont disponibles en anglais ou en français avec indications en pieds ou en mètres et en noeuds. Les prédictions des marées basses et hautes sont dans un version bilingue, avec indications en pieds ou en mètres. Les prédictions sont normalement fournies sous forme d'imprimés d'ordinateur, cependant certains autres formats générés par ordinateur sont aussi disponibles. Des droits seront perçus pour les prédictions supplémentaires. Un barème est disponible sur demande.

Bien que ce service soit principalement réservé aux autorités portuaires, aux administrations du pilotage, aux transporteurs maritimes, aux ingénieurs, etc., qui peuvent avoir un besoin particulier de faire des prédictions à des fins précises, il est accessible à toute personne intéressée. Nous nous réservons le droit de le modifier, à tout moment et sans préavis, ainsi que le montant du droit.

Préparées à l'intention des utilisateurs, ces prédictions complètent mais ne remplacent pas les Tables des marées et courants du Canada, qui constituent les prédictions officielles des marées au Canada.

Les demandes, avec indication du numéro d'index et du nom du port ou de la station, et de la période, et des options devraient être adressées au:

**Service hydrographique du Canada**
**Ministère des Pêches et des Océans**

à **Dartmouth, N.-É.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, C.-B.**
**V8L 4B2**

ou au **Service des données sur le milieu marin**
**Science**
**Ministère des Pêches et des Océans**
**Ottawa, Ontario K1A 0E6**

# CONVERSION TABLE

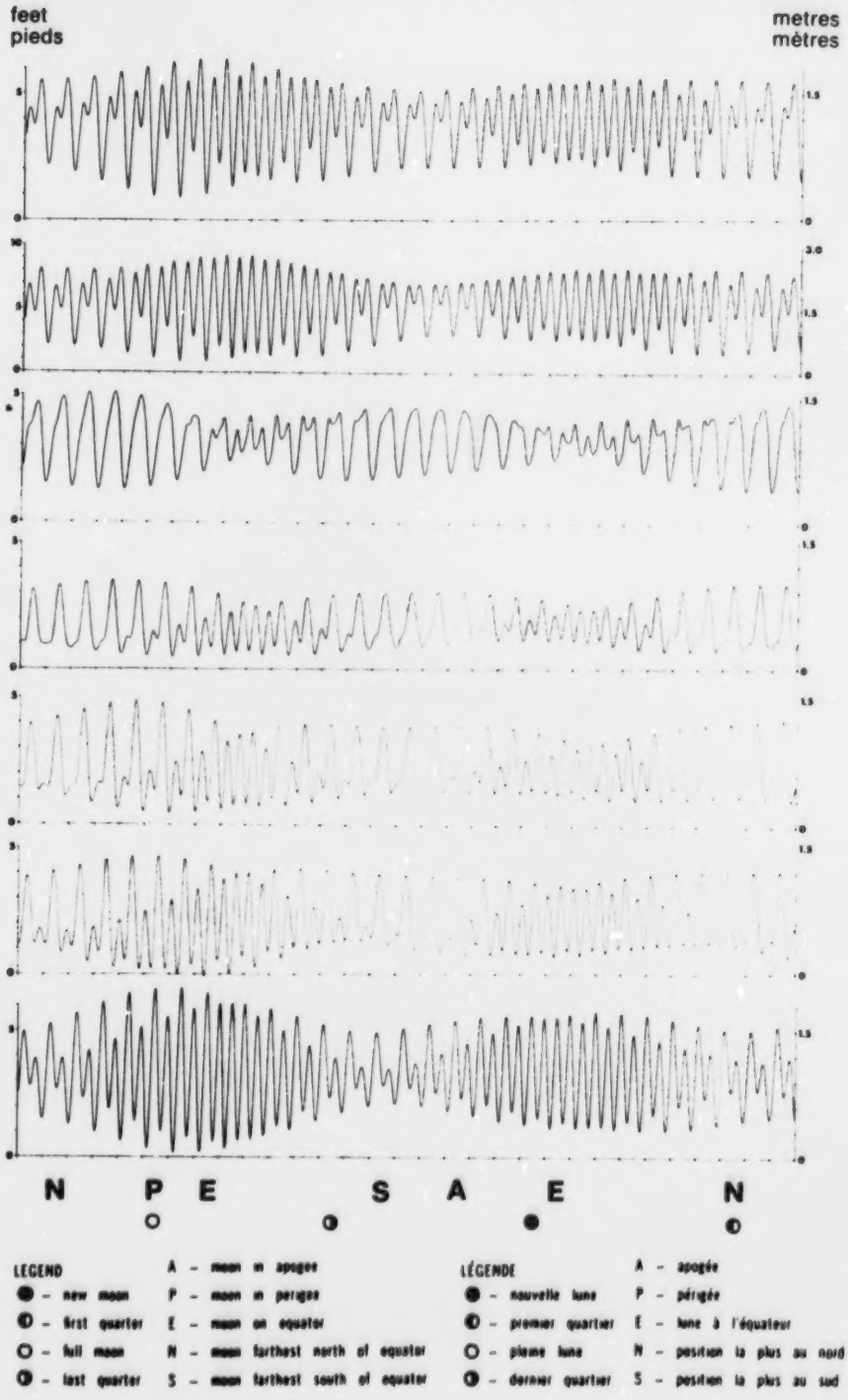
## FEET TO METRES

# TABLE DE CONVERSION

## PIEDS EN METRES

| Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.1 | 0.03 | 6.1 | 1.86 | 12.1 | 3.69 | 18.1 | 5.52 | 24.1 | 7.35 | 30.1 | 9.17 | 36.1 | 11.00 | 42.1 | 12.83 |
| 0.2 | 0.06 | 6.2 | 1.89 | 12.2 | 3.72 | 18.2 | 5.55 | 24.2 | 7.38 | 30.2 | 9.21 | 36.2 | 11.03 | 42.2 | 12.86 |
| 0.3 | 0.09 | 6.3 | 1.92 | 12.3 | 3.75 | 18.3 | 5.58 | 24.3 | 7.41 | 30.3 | 9.24 | 36.3 | 11.06 | 42.3 | 12.89 |
| 0.4 | 0.12 | 6.4 | 1.95 | 12.4 | 3.78 | 18.4 | 5.61 | 24.4 | 7.44 | 30.4 | 9.27 | 36.4 | 11.09 | 42.4 | 12.92 |
| 0.5 | 0.15 | 6.5 | 1.98 | 12.5 | 3.81 | 18.5 | 5.64 | 24.5 | 7.47 | 30.5 | 9.30 | 36.5 | 11.13 | 42.5 | 12.95 |
| 0.6 | 0.18 | 6.6 | 2.01 | 12.6 | 3.84 | 18.6 | 5.67 | 24.6 | 7.50 | 30.6 | 9.33 | 36.6 | 11.16 | 42.6 | 12.98 |
| 0.7 | 0.21 | 6.7 | 2.04 | 12.7 | 3.87 | 18.7 | 5.70 | 24.7 | 7.53 | 30.7 | 9.36 | 36.7 | 11.19 | 42.7 | 13.01 |
| 0.8 | 0.24 | 6.8 | 2.07 | 12.8 | 3.90 | 18.8 | 5.73 | 24.8 | 7.56 | 30.8 | 9.39 | 36.8 | 11.22 | 42.8 | 13.05 |
| 0.9 | 0.27 | 6.9 | 2.10 | 12.9 | 3.93 | 18.9 | 5.76 | 24.9 | 7.59 | 30.9 | 9.42 | 36.9 | 11.25 | 42.9 | 13.08 |
| 1.0 | 0.30 | 7.0 | 2.13 | 13.0 | 3.96 | 19.0 | 5.79 | 25.0 | 7.62 | 31.0 | 9.45 | 37.0 | 11.28 | 43.0 | 13.11 |
| 1.1 | 0.34 | 7.1 | 2.16 | 13.1 | 3.99 | 19.1 | 5.82 | 25.1 | 7.65 | 31.1 | 9.48 | 37.1 | 11.31 | 43.1 | 13.14 |
| 1.2 | 0.37 | 7.2 | 2.19 | 13.2 | 4.02 | 19.2 | 5.85 | 25.2 | 7.68 | 31.2 | 9.51 | 37.2 | 11.34 | 43.2 | 13.17 |
| 1.3 | 0.40 | 7.3 | 2.22 | 13.3 | 4.05 | 19.3 | 5.88 | 25.3 | 7.71 | 31.3 | 9.54 | 37.3 | 11.37 | 43.3 | 13.20 |
| 1.4 | 0.43 | 7.4 | 2.25 | 13.4 | 4.08 | 19.4 | 5.91 | 25.4 | 7.74 | 31.4 | 9.57 | 37.4 | 11.40 | 43.4 | 13.23 |
| 1.5 | 0.46 | 7.5 | 2.29 | 13.5 | 4.11 | 19.5 | 5.94 | 25.5 | 7.77 | 31.5 | 9.60 | 37.5 | 11.43 | 43.5 | 13.26 |
| 1.6 | 0.49 | 7.6 | 2.32 | 13.6 | 4.15 | 19.6 | 5.97 | 25.6 | 7.80 | 31.6 | 9.63 | 37.6 | 11.46 | 43.6 | 13.29 |
| 1.7 | 0.52 | 7.7 | 2.35 | 13.7 | 4.18 | 19.7 | 6.00 | 25.7 | 7.83 | 31.7 | 9.66 | 37.7 | 11.49 | 43.7 | 13.32 |
| 1.8 | 0.55 | 7.8 | 2.38 | 13.8 | 4.21 | 19.8 | 6.03 | 25.8 | 7.86 | 31.8 | 9.69 | 37.8 | 11.52 | 43.8 | 13.35 |
| 1.9 | 0.58 | 7.9 | 2.41 | 13.9 | 4.24 | 19.9 | 6.07 | 25.9 | 7.89 | 31.9 | 9.72 | 37.9 | 11.55 | 43.9 | 13.38 |
| 2.0 | 0.61 | 8.0 | 2.44 | 14.0 | 4.27 | 20.0 | 6.10 | 26.0 | 7.92 | 32.0 | 9.75 | 38.0 | 11.58 | 44.0 | 13.41 |
| 2.1 | 0.64 | 8.1 | 2.47 | 14.1 | 4.30 | 20.1 | 6.13 | 26.1 | 7.95 | 32.1 | 9.78 | 38.1 | 11.61 | 44.1 | 13.44 |
| 2.2 | 0.67 | 8.2 | 2.50 | 14.2 | 4.33 | 20.2 | 6.15 | 26.2 | 7.99 | 32.2 | 9.81 | 38.2 | 11.64 | 44.2 | 13.47 |
| 2.3 | 0.70 | 8.3 | 2.53 | 14.3 | 4.36 | 20.3 | 6.19 | 26.3 | 8.02 | 32.3 | 9.84 | 38.3 | 11.67 | 44.3 | 13.50 |
| 2.4 | 0.73 | 8.4 | 2.56 | 14.4 | 4.39 | 20.4 | 6.22 | 26.4 | 8.05 | 32.4 | 9.88 | 38.4 | 11.70 | 44.4 | 13.53 |
| 2.5 | 0.76 | 8.5 | 2.59 | 14.5 | 4.42 | 20.5 | 6.25 | 26.5 | 8.08 | 32.5 | 9.91 | 38.5 | 11.73 | 44.5 | 13.56 |
| 2.6 | 0.79 | 8.6 | 2.62 | 14.6 | 4.45 | 20.6 | 6.28 | 26.6 | 8.11 | 32.6 | 9.94 | 38.6 | 11.76 | 44.6 | 13.59 |
| 2.7 | 0.82 | 8.7 | 2.65 | 14.7 | 4.48 | 20.7 | 6.31 | 26.7 | 8.14 | 32.7 | 9.97 | 38.7 | 11.80 | 44.7 | 13.62 |
| 2.8 | 0.85 | 8.8 | 2.68 | 14.8 | 4.51 | 20.8 | 6.34 | 26.8 | 8.17 | 32.8 | 10.00 | 38.8 | 11.83 | 44.8 | 13.65 |
| 2.9 | 0.88 | 8.9 | 2.71 | 14.9 | 4.54 | 20.9 | 6.37 | 26.9 | 8.20 | 32.9 | 10.03 | 38.9 | 11.86 | 44.9 | 13.69 |
| 3.0 | 0.91 | 9.0 | 2.74 | 15.0 | 4.57 | 21.0 | 6.40 | 27.0 | 8.23 | 33.0 | 10.06 | 39.0 | 11.89 | 45.0 | 13.72 |
| 3.1 | 0.94 | 9.1 | 2.77 | 15.1 | 4.60 | 21.1 | 6.43 | 27.1 | 8.26 | 33.1 | 10.09 | 39.1 | 11.92 | 45.1 | 13.75 |
| 3.2 | 0.97 | 9.2 | 2.80 | 15.2 | 4.63 | 21.2 | 6.46 | 27.2 | 8.29 | 33.2 | 10.12 | 39.2 | 11.95 | 45.2 | 13.78 |
| 3.3 | 1.00 | 9.3 | 2.83 | 15.3 | 4.66 | 21.3 | 6.49 | 27.3 | 8.32 | 33.3 | 10.15 | 39.3 | 11.98 | 45.3 | 13.81 |
| 3.4 | 1.04 | 9.4 | 2.86 | 15.4 | 4.69 | 21.4 | 6.52 | 27.4 | 8.35 | 33.4 | 10.18 | 39.4 | 12.01 | 45.4 | 13.84 |
| 3.5 | 1.07 | 9.5 | 2.89 | 15.5 | 4.72 | 21.5 | 6.55 | 27.5 | 8.38 | 33.5 | 10.21 | 39.5 | 12.03 | 45.5 | 13.87 |
| 3.6 | 1.10 | 9.6 | 2.93 | 15.6 | 4.75 | 21.6 | 6.58 | 27.6 | 8.41 | 33.6 | 10.24 | 39.6 | 12.07 | 45.6 | 13.90 |
| 3.7 | 1.13 | 9.7 | 2.96 | 15.7 | 4.79 | 21.7 | 6.61 | 27.7 | 8.44 | 33.7 | 10.27 | 39.7 | 12.10 | 45.7 | 13.93 |
| 3.8 | 1.16 | 9.8 | 2.99 | 15.8 | 4.82 | 21.8 | 6.64 | 27.8 | 8.47 | 33.8 | 10.30 | 39.8 | 12.13 | 45.8 | 13.96 |
| 3.9 | 1.19 | 9.9 | 3.02 | 15.9 | 4.85 | 21.9 | 6.67 | 27.9 | 8.50 | 33.9 | 10.33 | 39.9 | 12.16 | 45.9 | 13.99 |
| 4.0 | 1.22 | 10.0 | 3.05 | 16.0 | 4.88 | 22.0 | 6.70 | 28.0 | 8.53 | 34.0 | 10.36 | 40.0 | 12.19 | 46.0 | 14.02 |
| 4.1 | 1.25 | 10.1 | 3.08 | 16.1 | 4.91 | 22.1 | 6.74 | 28.1 | 8.56 | 34.1 | 10.39 | 40.1 | 12.22 | 46.1 | 14.05 |
| 4.2 | 1.28 | 10.2 | 3.11 | 16.2 | 4.94 | 22.2 | 6.77 | 28.2 | 8.59 | 34.2 | 10.42 | 40.2 | 12.25 | 46.2 | 14.08 |
| 4.3 | 1.31 | 10.3 | 3.14 | 16.3 | 4.97 | 22.3 | 6.80 | 28.3 | 8.63 | 34.3 | 10.45 | 40.3 | 12.28 | 46.3 | 14.11 |
| 4.4 | 1.34 | 10.4 | 3.17 | 16.4 | 5.00 | 22.4 | 6.83 | 28.4 | 8.66 | 34.4 | 10.48 | 40.4 | 12.31 | 46.4 | 14.14 |
| 4.5 | 1.37 | 10.5 | 3.20 | 16.5 | 5.03 | 22.5 | 6.86 | 28.5 | 8.69 | 34.5 | 10.52 | 40.5 | 12.34 | 46.5 | 14.17 |
| 4.6 | 1.40 | 10.6 | 3.23 | 16.6 | 5.06 | 22.6 | 6.89 | 28.6 | 8.72 | 34.6 | 10.55 | 40.6 | 12.37 | 46.6 | 14.20 |
| 4.7 | 1.43 | 10.7 | 3.26 | 16.7 | 5.09 | 22.7 | 6.92 | 28.7 | 8.75 | 34.7 | 10.58 | 40.7 | 12.41 | 46.7 | 14.23 |
| 4.8 | 1.46 | 10.8 | 3.29 | 16.8 | 5.12 | 22.8 | 6.95 | 28.8 | 8.78 | 34.8 | 10.61 | 40.8 | 12.44 | 46.8 | 14.26 |
| 4.9 | 1.49 | 10.9 | 3.32 | 16.9 | 5.15 | 22.9 | 6.98 | 28.9 | 8.81 | 34.9 | 10.64 | 40.9 | 12.47 | 46.9 | 14.29 |
| 5.0 | 1.52 | 11.0 | 3.35 | 17.0 | 5.18 | 23.0 | 7.01 | 29.0 | 8.84 | 35.0 | 10.67 | 41.0 | 12.50 | 47.0 | 14.33 |
| 5.1 | 1.55 | 11.1 | 3.38 | 17.1 | 5.21 | 23.1 | 7.04 | 29.1 | 8.87 | 35.1 | 10.70 | 41.1 | 12.53 | 47.1 | 14.36 |
| 5.2 | 1.58 | 11.2 | 3.41 | 17.2 | 5.24 | 23.2 | 7.07 | 29.2 | 8.90 | 35.2 | 10.73 | 41.2 | 12.56 | 47.2 | 14.39 |
| 5.3 | 1.61 | 11.3 | 3.44 | 17.3 | 5.27 | 23.3 | 7.10 | 29.3 | 8.93 | 35.3 | 10.76 | 41.3 | 12.59 | 47.3 | 14.42 |
| 5.4 | 1.64 | 11.4 | 3.47 | 17.4 | 5.30 | 23.4 | 7.13 | 29.4 | 8.96 | 35.4 | 10.79 | 41.4 | 12.62 | 47.4 | 14.45 |
| 5.5 | 1.68 | 11.5 | 3.51 | 17.5 | 5.33 | 23.5 | 7.16 | 29.5 | 8.99 | 35.5 | 10.82 | 41.5 | 12.65 | 47.5 | 14.48 |
| 5.6 | 1.71 | 11.6 | 3.54 | 17.6 | 5.36 | 23.6 | 7.19 | 29.6 | 9.02 | 35.6 | 10.85 | 41.6 | 12.68 | 47.6 | 14.51 |
| 5.7 | 1.74 | 11.7 | 3.57 | 17.7 | 5.39 | 23.7 | 7.22 | 29.7 | 9.05 | 35.7 | 10.88 | 41.7 | 12.71 | 47.7 | 14.54 |
| 5.8 | 1.77 | 11.8 | 3.60 | 17.8 | 5.43 | 23.8 | 7.25 | 29.8 | 9.08 | 35.8 | 10.91 | 41.8 | 12.74 | 47.8 | 14.57 |
| 5.9 | 1.80 | 11.9 | 3.63 | 17.9 | 5.46 | 23.9 | 7.28 | 29.9 | 9.11 | 35.9 | 10.94 | 41.9 | 12.77 | 47.9 | 14.60 |
| 6.0 | 1.83 | 12.0 | 3.66 | 18.0 | 5.49 | 24.0 | 7.31 | 30.0 | 9.14 | 36.0 | 10.97 | 42.0 | 12.80 | 48.0 | 14.63 |

# Typical Tidal Curves  Courbes Typiques des Marées




LEGEND
● – new moon
◐ – first quarter
○ – full moon
◑ – last quarter
A – moon in apogee
P – moon in perigee
E – moon on equator
N – moon farthest north of equator
S – moon farthest south of equator

LÉGENDE
● – nouvelle lune
◐ – premier quartier
○ – pleine lune
◑ – dernier quartier
A – apogée
P – périgée
E – lune à l'équateur
N – position la plus au nord
S – position la plus au sud

## METRIC CONVERSION IN CANADA

In accordance with the policy of the Federal Government, as outlined in its "White Paper on Metric Conversion in Canada," the Canadian Hydrographic Service has commenced issuing metric charts. During the initial transitional period when both existing charts in feet and fathoms and new charts in metric units are in regular use, the Canadian tide and current tables will contain tidal height predictions in both feet and metres. The "heights in feet" columns are shaded to distinguish them from the "heights in metres" columns. The secondary ports tables, calculation tables, samples, etc., will remain in feet.

## LA CONVERSION AU SYSTÈME MÉTRIQUE AU CANADA

Conformément à la politique du gouvernement fédéral énoncée dans son "Livre blanc sur la conversion au système métrique au Canada," le Service hydrographique du Canada a commencé à publier des cartes métriques. Pendant la période de transition où les deux types de cartes seront en usage régulier, c'est-à-dire les cartes existantes en pieds ou en brasses et les nouvelles cartes en unitée métriques, les tables de courants et des marées du Canada indiqueront les prévisions de la hauteur des marées à la fois en mètres et en pieds. Les colonnes indiquant les hauteurs en pieds seront ombrées pour les distinguer des colonnes indiquant les hauteurs en mètres. Les tables des ports secondaires, les tables de calcul, les exemples, etc. resteront en pieds.

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*Names in capital letters indicate reference ports for which daily predictions are given.

*Les noms en majuscules indiquent les ports de référence pour lesquels on donne des prédictions quotidiennes.

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**ABEGWEIT PASSAGE** —

*Names in capital letters indicate reference ports or current stations for which daily predictions are given.

*Les noms en majuscules indiquent les ports de référence ou stations de courant pour lesquels on donne des prédictions quotidiennes.

# 1989

| SUN | MON | TUE | WED | THU | FRI | SAT |
|---|---|---|---|---|---|---|
| **January - Janvier** | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6S | ● |
| 8 | 9 | 10P | 11 | 12E | 13 | ◐ |
| 15 | 16 | 17 | 18N | 19 | 20 | ○ |
| 22 | 23 | 24 | 25 | 26AE | 27 | 28 |
| ◑ | 30 | 31 | | | | |
| **February - Février** | | | | | | |
| | | | 1 | 2S | 3 | 4 |
| 5 | ● | 7P | 8E | 9 | 10 | 11 |
| ◐ | 13 | 14 | 15N | 16 | 17 | 18 |
| 19 | ○ | 21 | 22E | 23A | 24 | 25 |
| 26 | 27 | ◑ | | | | |
| **March - Mars** | | | | | | |
| | | | 1S | 2 | 3 | 4 |
| 5 | 6 | ● | 8PE | 9 | 10 | 11 |
| 12 | 13 | ◐N | 15 | 16 | 17 | 18 |
| 19 | 20 | 21E | ○A | 23 | 24 | 25 |
| 26 | 27 | 28 | 29S | ◑ | 31 | |
| **April - Avril** | | | | | | |
| | | | | | | 1 |
| 2 | 3 | 4E | ●P | 6 | 7 | 8 |
| 9 | 10N | 11 | ◐ | 13 | 14 | 15 |
| 16 | 17E | 18A | 19 | ○ | 21 | 22 |
| 23 | 24 | 25S | 26 | 27 | ◑ | 29 |
| 30 | | | | | | |
| **May - Mai** | | | | | | |
| | 1E | 2 | 3P | 4 | ● | 6 |
| 7 | 8N | 9 | 10 | 11 | ◐ | 13 |
| 14 | 15E | 16A | 17 | 18 | 19 | ○ |
| 21 | 22S | 23 | 24 | 25 | 26 | ◑ |
| 28 | 29E | 30 | 31P | | | |
| **June - Juin** | | | | | | |
| | | | | 1 | 2 | ● |
| 4N | 5 | 6 | 7 | 8 | 9 | 10 |
| ◐E | 12A | 13 | 14 | 15 | 16 | 17 |
| 18S | ○ | 20 | 21 | 22 | 23 | 24 |
| 25E | ◑ | 27P | 28 | 29 | 30 | |

LEGEND
- ● new moon
- ◐ first quarter
- ○ full moon
- ◑ last quarter
- A - moon in apogee
- P - moon in perigee
- E - moon on equator
- N - moon farthest north of equator
- S - moon farthest south of equator

| DIM | LUN | MAR | MER | JEU | VEN | SAM |
|---|---|---|---|---|---|---|
| **July - Juillet** | | | | | | |
| | | | | | | 1N |
| ● | 3 | 4 | 5 | 6 | 7 | 8E |
| 9 | ◐A | 11 | 12 | 13 | 14 | 15 |
| 16S | 17 | ○ | 19 | 20 | 21 | 22E |
| 23P | 24 | ◑ | 26 | 27 | 28 | 29N |
| 30 | 31 | | | | | |
| **August - Août** | | | | | | |
| | | ● | 2 | 3 | 4 | 5E |
| 6 | 7A | 8 | ◐ | 10 | 11 | 12S |
| 13 | 14 | 15 | ○ | 17 | 18E | 19P |
| 20 | 21 | 22 | ◑ | 24 | 25N | 26 |
| 27 | 28 | 29 | ● | 31 | | |
| **September - Septembre** | | | | | | |
| | | | | | 1E | 2 |
| 3 | 4A | 5 | 6 | 7 | ◐S | 9 |
| 10 | 11 | 12 | 13 | 14 | ○E | 16P |
| 17 | 18 | 19 | 20 | ◑N | 22 | 23 |
| 24 | 25 | 26 | 27 | 28E | ● | 30 |
| **October - Octobre** | | | | | | |
| 1A | 2 | 3 | 4 | 5 | 6S | ◐ |
| 8 | 9 | 10 | 11 | 12E | 13 | ○P |
| 15 | 16 | 17 | 18N | 19 | 20 | ◑ |
| 22 | 23 | 24 | 25E | 26 | 27 | 28A |
| ● | 30 | 31 | | | | |
| **November - Novembre** | | | | | | |
| | | | 1 | 2S | 3 | 4 |
| 5 | ◐ | 7 | 8 | 9E | 10 | 11 |
| ○P | 13 | 14 | 15N | 16 | 17 | 18 |
| ◑ | 20 | 21 | 22E | 23 | 24A | 25 |
| 26 | 27 | ● | 29S | 30 | | |
| **December - Décembre** | | | | | | |
| | | | | | 1 | 2 |
| 3 | 4 | ◐ | 6E | 7 | 8 | 9 |
| 10P | 11 | ○N | 13 | 14 | 15 | 16 |
| 17 | 18 | ◑E | 20 | 21 | 22A | 23 |
| 24 | 25 | 26S | ● | 28 | 29 | 30 |
| 31 | | | | | | |

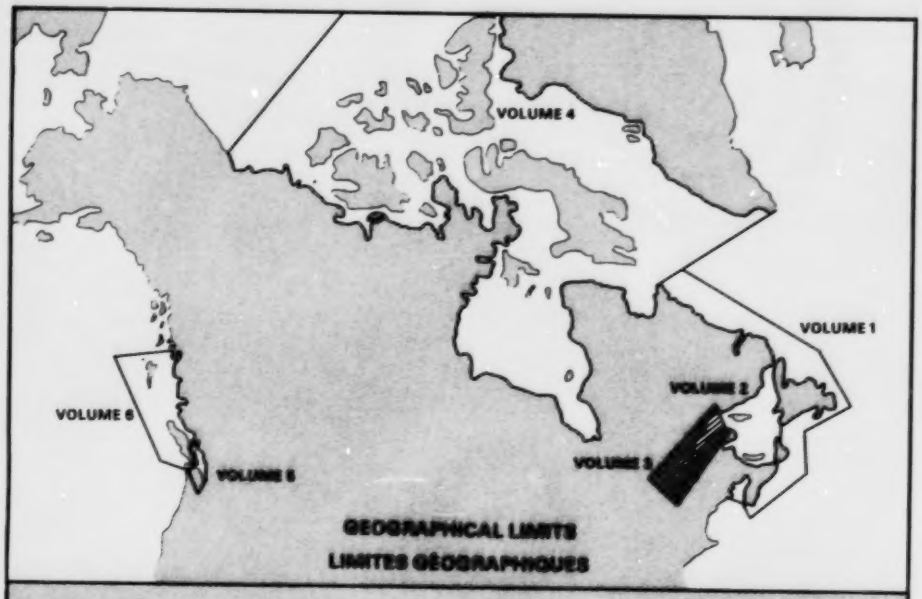
LEGENDE
- ● nouvelle lune
- ◐ premier quartier
- ○ plein lune
- ◑ dernier quartier
- A - apogée
- P - périgée
- E - lune à l'équateur
- N - position la plus au nord
- S - position la plus au sud

# Canadian Tide and Current Tables

# 1989

# Tables des marées et courants du Canada

# 1989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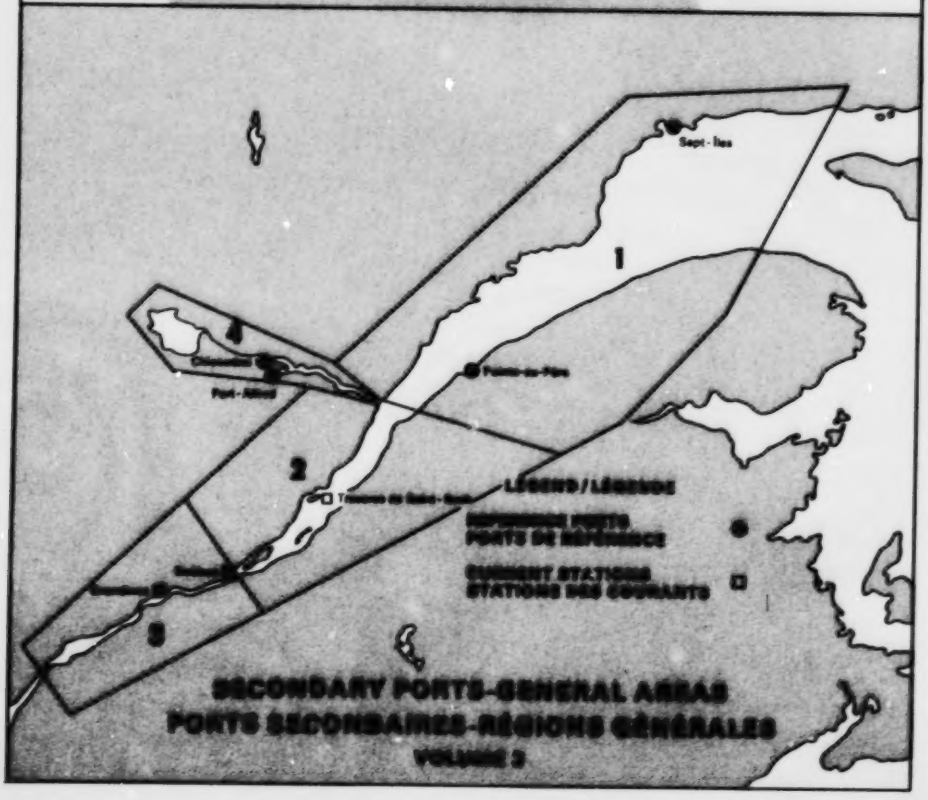
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SECONDARY PORTS-GENERAL AREAS
PORTS SECONDAIRES-RÉGIONS GÉNÉRALES

# Canadian Tide and Current Tables

# 1989

Volume 3
St. Lawrence and
Saguenay Rivers

Scientific Excellence
Resource Protection & Conservation
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Department of Fisheries and Oceans
Ottawa, Canada

# Tables des marées et courants du Canada

# 1989

Volume 3
Fleuve Saint-Laurent et
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Ministère des Pêches et des Océans
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These tables are published under the authority of the Canadian Hydrographic Service, through the Chief, Tides, Currents and Water Levels.

Les tables sont publiées avec l'autorisation du Service hydrographique du Canada par le chef, Marées, courants et niveaux de l'eau.

# Introduction

## PRACTICAL INFORMATION

### Tide Tables

Times and heights are predicted and tabulated as daily tables for all reference ports. The "heights in feet" columns are shaded to distinguish them from the "heights in metres" columns.

### Current Tables

The times and rates of maximum current velocity, or the time of slack water when the direction of the current turns, are predicted and tabulated as daily tables for all current stations. Fluctuations in the horizontal movement of water due to meteorological conditions may prolong the duration and increase the flow of the current in one direction and have the opposite effect when the direction is reversed. The current may, therefore, not turn exactly when predicted, but at these times the rate will be relatively weak.

Throughout these tables current directions are indicated by ( + ) when the tidal stream is setting toward an area of rising tide or ( − ) when setting toward an area of falling tide.

### Maps

The upper map on the inside front cover shows the boundaries and the numbers of all the volumes in the Canadian Tide and Current Table series.

The lower map denotes the general areas in which the secondary ports are grouped. These areas are numbered consecutively signifying the geographical sequence of reference and secondary ports throughout the volume. This map also indicates the locations of the reference ports and current stations.

### Areas and Localities

In Table 3, Secondary Ports Information and Tidal Differences, each general area title includes a descriptive name in addition to its consecutive number. This facilitates locating each area and all the data available.

Within these general areas, all secondary ports are arranged and listed by locality.

### Geographical Names and Co-ordinates

Throughout these tables the names given for reference and secondary ports are, as far as possible, those approved by the Canadian Permanent Committee on Geographical Names.

The geographical co-ordinates listed in Tables 1, 2 and 3 are those of the original tide gauge locations and should be used whenever their precise positions are required. The geographical names associated with those co-ordinates have been selected from the nearest prominent place or physical feature. Hence, the geographical co-ordinates and names may not relate exactly to each other.

### Instructions and Examples

Instructions and examples are given which show the method to be used to predict the times and heights at secondary ports, and to calculate intermediate times and heights at both reference and secondary ports. Fictitious information is used throughout these examples.

### Definitions

*Reference Ports or Reference Current Stations* are those for which predictions are published in the form of daily tables for either times and heights or times of turns and maximum current velocities and maximum rates.

*Secondary Ports or Secondary Current Stations* are those for which differences are published for either times and heights or times of turns.

*Differences* are the adjustments which are applied to the predictions at a reference port or reference current station to obtain predictions at a secondary port or secondary current station.

*Time Zones* of predictions for reference and secondary ports are usually in the standard time kept in that area. It is indicated in the heading of the daily prediction tables by the suffix (Z) after each name, accompanied by the initials and numbers of the zone, and by the figure in the time zone column of Tables 1 and 3. The ( + ) sign indicates that by adding to standard time the number of hours corresponding to the time zone, Greenwhich Mean Time is obtained.

The standard time zones represented by these initials and figures are as follows:

| | | |
|---|---|---|
| N.S.T. | Z + 3½ | Newfoundland Standard Time |
| A.S.T. | Z + 4 | Atlantic Standard Time |
| E.S.T. | Z + 5 | Eastern Standard Time |
| C.S.T. | Z + 6 | Central Standard Time |
| M.S.T. | Z + 7 | Mountain Standard Time |
| P.S.T. | Z + 8 | Pacific Standard Time |

To convert predictions into daylight time, add one hour.

*Datum* of predictions for both reference and secondary ports is, unless otherwise stated, the same as Chart Datum in that area. Chart Datum is, by international agreement, a plane below which the tide will seldom fall. The Canadian Hydrographic Service has adopted the plane of lowest normal tides as Chart Datum.

*Height of tide* is the vertical distance between the surface of the sea and Chart Datum. The total depth of water is found by adding the height of tide to the charted depth. For example, at a place where the chart shows 20 feet and the predicted high water height is 10 feet, then the actual depth over the seabed at high water will be 30 feet.

In the case of some ports which are not navigable at low water and where vessels rest on keel blocks, or mattresses, during low tide, the heights of the tide are measured from those keel blocks or mattresses.

*Mean tide range* is the difference between the heights of higher high water and lower low water at mean tides.

*Large tide range* is the difference between the heights of higher high water and lower low water at large tides.

*Mean water level* is the height above Chart Datum of the mean of all hourly observations used for the tidal analysis at that particular place.

### Tidal Data on Canadian Hydrographic Service Charts

Most charts published by the Canadian Hydrographic Service include datum and, if appropriate, tidal information. The tidal information panel contains, for specified places, the heights of higher high water and lower low water at mean and large tides. These heights are referred to Chart Datum. This information is intended as a guide to the approximate height of tide at these places. If more accurate predictions are required the tide tables should be consulted.

The elevation of mean water level is also given in the panel. This should not be confused with Canadian Geodetic Datum as the value of mean water level may change with time.

### Additional Information

These tables contain the latest information available prior to going to press. Additional information or amendments which become available before the 1st of November of the previous year will be published in Canadian *Notices to Mariners*, Weekly Edition No. 46. Any later amendments will be published in *Notices to Mariners*, as required.

### Revisions

To facilitate the revision and improve the accuracy or utility of these tables, mariners, harbour authorities, surveyors, engineers and all other users are invited to submit information relative to any of the following: misprints, appreciable variations between predicted and observed tide levels, extreme tide levels, improvements to the tables and details of privately operated automatic tide gauges.

*Note: The Canadian Hydrographic Service will supply, on request, information concerning the installation and operation of automatic tide gauges.*

All communications should be addressed to the Canadian Hydrographic Service, Ottawa, Ont., or to the regional offices in Dartmouth, N.S., Québec, QC, Burlington, Ont., or Sidney, B.C.

### Acknowledgements

These tables and predictions for Canadian waters have been prepared by the Marine Environmental Data Service, Marine Sciences and Information Directorate, Ocean Science and Surveys. Where appropriate, predictions for United States waters have been obtained from the United States Department of Commerce under an international reciprocal agreement.

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## THEORETICAL INFORMATION

### Types of Tide

*Semi-diurnal tide (SD)* — Two complete tidal oscillations daily, both high waters having similar heights as well as both low waters. The two high waters of the day follow the upper and lower transits of the moon by nearly the same interval.

*Mixed, mainly semi-diurnal tide (MSD)* — Two complete tidal oscillations daily with inequalities both in height and time reaching the greatest values when the declination of the moon has passed its maximum.

*Mixed, mainly diurnal tide (MD)* — Usually, and certainly when the moon has low declination, there are two complete tidal oscillations daily. The inequalities in the heights of successive high or low waters and the corresponding time intervals are very marked.

*Diurnal tide (D)* — One complete tidal oscillation daily.

### Accuracy of Predictions

*Reference Ports* — The accuracy of the predictions for reference ports depends on the quantity and quality of the tidal constants used to compute them. These in turn are directly related to the length of the period of observations used in the tidal analysis from which the constants were derived. Whenever the period of record permits, observations extending over at least one year are used.

*Secondary Ports* — The accuracy of the tidal differences for secondary ports also depends on the quality of the tidal constants used to compute them, as described for reference ports. In most cases, however, the period of observations does not extend over one month and may be less. Their quality is, therefore, affected by the amount the tide levels fluctuated from normal, during that period, on account of meteorological conditions.

In addition, their accuracy is very dependent on the similarity between the characteristics of the tide at the secondary and reference ports. The tides at no two places in the world are identical so that even when their characteristics are similar, the secondary port predictions made by applying tidal differences can never be considered as accurate as the full predictions made for a reference port.

For practical reasons, however, every effort has been made to compare reference and secondary ports which have similar tidal characteristics. Because of the relatively small number of reference ports available this has not always been possible. However, the inaccuracies thus created are usually less than those caused by fluctuations in the tide levels due to meteorological conditions.

### Meteorological Effects on Tide Levels

The predicted levels published for reference ports are of a tidal oscillation or rise and fall above and below the mean water level.

Meteorological conditions, such as strong or prolonged winds, abrupt changes in barometric pressure, or prolonged periods of very high or very low pressures, introduce fluctuations in the water level. The high and low water heights which actually occur are the result of the predictable tidal oscillations together with fluctuations of meteorological origin which cannot be forecast in advance. Thus, if the water level has been raised by meteorological conditions, both the high and the low water heights will be higher than predicted and vice versa. A change in meteorological conditions, however, is never so rapid that a high water, raised by earlier conditions, would be followed by a low water lowered by the changed conditions. The same is true concerning low water followed by high water. The extreme levels tabulated for each reference port have invariably been reached under quite different circumstances at widely separated periods of time.

# Calculation

## of Intermediate Times or Heights

This table is primarily intended for finding the height of the tide at a reference port at any specified time between the predicted levels, or the time at which a specified height is reached. It will give reasonably accurate results at all reference ports in Canadian waters when the duration of rise or fall is within the tabulated limits (see paragraph "Interpolation"). It may also be used at secondary ports, with less accuracy, when the appropriate times and heights have been calculated.

## Instructions and Examples

Height at a specified time

To calculate the height of the tide at Bay Head on 2nd July at 1720:

1. From the daily tables note the time and heights preceding and succeeding the specified time (1720) and obtain:

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (14.8 – 0.8 = 14.0)

c) the time interval between the specified time and the time of the nearest predicted level (1720 – 1600 = 1 20)

2. In the Duration column of the table find the duration calculated in 1a(6 30) and follow the horizontal line of figures until the time interval closest to that calculated in 1c (1 20) is reached. Note the column number (column 2). (Follow the *)

3. In the Range column of the table find the range calculated in 1b (14.0) and follow the horizontal line of figures to the same numbered column as found in 2 (column 2). Note the figure in this column (1.4). (Follow the *)

4. This figure is the difference between the height required and the height of the predicted level from which the time interval was calculated in 1c (1600 0.8). It should be subtracted from this height if the higher of the levels was used or added if the lower was used (0.8 + 1.4 = 2.2). The result is the height of the tide specified.

Calculated height: 2.2 ft.

*Note: To use this table for tides with a range greater than 30 feet, the calculated value of the Range, 1b, must be halved and the Height Difference, taken from the table, must be doubled.*

# BAY HEAD (EST Z - S)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0252 | **1.3** | 4 | 16 | 0355 | **3.2** | 1.0 |
| | 0910 | **14.7** | 4.5 | | 1025 | **13.4** | 4.1 |
| SU | 1510 | **.8** | .2 | MO | 1605 | **2.3** | .7 |
| DI | 2130 | **14.9** | 4.5 | LU | 2245 | **13.8** | 4.1 |
| 2 | 0335 | **1.3** | 4 | 17 | 0515 | **2.9** | .9 |
| | 1010 | **14.8** | 4.5 | | 1110 | **13.5** | 4.1 |
| MO | 1600 | **.8** | .2 | TU | 1740 | **2.0** | .6 |
| LU | 2230 | **14.8** | 4.5 | MA | 2335 | **13.8** | 4.2 |
| 3 | 0420 | **1.4** | .4 | 18 | 0555 | **2.7** | .8 |

Time at a specified height

To calculate the time at which the height of the rising afternoon tide at Bay Head on 2nd July will be 2.2 feet:

1. From the daily tables note the times and heights preceding and succeeding the specified height (2.2') and obtain:

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (14.8 – 0.8 = 14.0)

c) the height difference between the height specified and the nearest predicted level (2.2 – 0.8 = 1.4)

2. In the Range column of the table find the range calculated in 1b and follow the horizontal line of figures until the height difference closest to that calculated in 1c is found. Note the column number (column 2). (Follow the *)

3. In the Duration column of the table find the duration calculated in 1a and follow the horizontal line to the same numbered column as that found in 2. Note the figure in this column (1 20). (Follow the *)

4. This figure is the Time Interval between the time required and the time of the predicted level from which the height difference was calculated in 1c (1600 0.8). If the lower of the levels was used in 1c, add the time interval on a rising tide and subtract it on a falling tide (1600 + 1 20 = 1720). If the higher of the levels was used subtract the time interval on a rising tide and add it on a falling tide. The result is the time at which the specified height will be reached.

Calculated time: 1720 hours.

*Note: To use this table for tides with a greater range than 30 feet, the calculated values of Range, 1b, and Height Difference, 1c, must be halved. The time interval extracted from the table should not be altered.*

## Table of Height Differences from Nearest Predicted Level

| Range | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| 1 | .1 | 1 | .2 | .2 | .3 | .3 | .4 | .4 | .5 | .5 |
| 2 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 |
| 3 | .2 | .3 | .5 | .6 | .8 | .9 | 1.1 | 1.2 | 1.4 | 1.5 |
| 4 | .2 | .4 | .6 | .8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 |
| 5 | .3 | .5 | .8 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 |
| 6 | .3 | .6 | .9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
| 7 | .4 | .7 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.8 | 3.2 | 3.5 |
| 8 | .4 | .8 | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 |
| 9 | .5 | .9 | 1.4 | 1.8 | 2.3 | 2.7 | 3.2 | 3.6 | 4.1 | 4.5 |
| 10 | .5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 |
| 11 | .6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.9 | 4.4 | 5.0 | 5.5 |
| 12 | .6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| 13 | .7 | 1.3 | 2.0 | 2.6 | 3.3 | 3.9 | 4.6 | 5.2 | 5.9 | 6.5 |
| 14* | .7 | 1.4* | 2.1 | 2.8 | 3.5 | 4.2 | 4.9 | 5.6 | 6.3 | 7.0 |
| 15 | .8 | 1.5 | 2.3 | 3.0 | 3.8 | 4.5 | 5.3 | 6.0 | 6.8 | 7.5 |
| 16 | .8 | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 |
| 17 | .9 | 1.7 | 2.6 | 3.4 | 4.3 | 5.1 | 6.0 | 6.8 | 7.7 | 8.5 |
| 18 | .9 | 1.8 | 2.7 | 3.6 | 4.5 | 5.4 | 6.3 | 7.2 | 8.1 | 9.0 |
| 19 | 1.0 | 1.9 | 2.9 | 3.8 | 4.8 | 5.7 | 6.7 | 7.6 | 8.6 | 9.5 |
| 20 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
| 21 | 1.1 | 2.1 | 3.2 | 4.2 | 5.3 | 6.3 | 7.4 | 8.4 | 9.5 | 10.5 |
| 22 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.6 | 7.7 | 8.8 | 9.9 | 11.0 |
| 23 | 1.2 | 2.3 | 3.5 | 4.6 | 5.8 | 6.9 | 8.1 | 9.2 | 10.4 | 11.5 |
| 24 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 |
| 25 | 1.3 | 2.5 | 3.8 | 5.0 | 6.3 | 7.5 | 8.8 | 10.0 | 11.3 | 12.5 |
| 26 | 1.3 | 2.6 | 3.9 | 5.2 | 6.5 | 7.8 | 9.1 | 10.4 | 11.7 | 13.0 |
| 27 | 1.4 | 2.7 | 4.1 | 5.4 | 6.8 | 8.1 | 9.5 | 10.8 | 12.2 | 13.5 |
| 28 | 1.4 | 2.8 | 4.2 | 5.6 | 7.0 | 8.4 | 9.8 | 11.2 | 12.6 | 14.0 |
| 29 | 1.5 | 2.9 | 4.4 | 5.8 | 7.3 | 8.7 | 10.2 | 11.6 | 13.1 | 14.5 |
| 30 | 1.5 | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi

## Interpolation

This is a general table for use with all ports and is based on the assumption that the tidal curve is a simple cosine curve. At most ports there is some distortion of the tidal curve. Where tides are small, therefore, interpolation is unnecessary when the calculated values of the duration, time interval, range and height difference do not coincide with those tabulated. Where the tides are large, however, interepolation is more desirable, but an estimate by eye is all that is justified by the ultimate accuracy of the prediction. When the duration or range of the tide are less than those tabulated in the calculation table, a direct arithmetic interpolation may be made.

## Conversion of Tidal Heights to Approximate Elevations Referred to Mean Sea Level

The height of tide may be converted to an approximate elevation above (+) or below (–) Mean Sea Level by subtracting the height of mean water level at the specified port from the calculated height of tide.

## Table of Time Intervals from Nearest Predicted Level

| Duration | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi

# Prediction

## of Tides at Secondary Ports

### Example

Predict the times and heights of the morning and afternoon tides on 1st July at fictitious port Rock Harbour (Standard Time)

### Instructions

Carry out instructions 1-7 by following the seven steps in the worked example at the foot of Column 2 of this page

1. Locate the required port in Table 3, *Secondary Ports — Information and Tidal Differences*, and note its Time Zone

2. In Table 3 note the time and height differences tabulated for this port. (See samples, page ix)

3. Note the name of the reference port which precedes it in Table 3

4. Note the heights of mean and large tides for this reference port in Table 2, *Reference Ports*. (See samples, page ix)

5. Note the appropriate daily predictions for this reference port (See sample on this page)

6. a) Select the appropriate time and height differences from 2. For practical purposes, the higher high water mean tide difference (e.g. 2.4) is used if the higher of the predicted levels from 5 (e.g. 10.0) is closer to the higher high water mean tide height from 4 (e.g. 8.0) than to the large tide height (e.g. 14.0) and vice versa. The mean tide difference is also used if the large tide difference is omitted. Lower low water differences are used in a similar manner for the lower of the predicted levels.

b) If both predicted levels from 5 are closer to the heights of high rather than low tide from 4, then the higher high water time and height differences should be used with both predicted times and levels. The lower low water time and height differences may also be used with both predicted times and levels under similar low tide conditions.

c) A more precise method of computing height differences is to interpolate between the height differences in 2 in the ratio determined by the position of the predicted level between the mean tide height and the large tide height. If the predicted level does not fall between the mean tide height and the large tide height, an extrapolation is required instead of an interpolation and the height difference obtained will correspondingly fall outside the height differences in 2.

## BAY HEAD (EST −5)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | **4.0** | 1.2 | 16 | 0230 | **4.2** | 1.3 |
| | 0720 | **10.0** | 3.0 | | 0825 | **9.7** | 3.0 |
| SU | 1310 | **3.0** | .9 | MO | 1405 | **4.0** | 1.2 |
| DI | 1940 | **11.0** | 3.4 | LU | 2025 | **10.1** | 3.1 |
| 2 | 0245 | **4.8** | 1.5 | 17 | 0340 | **4.8** | 1.5 |
| | 0830 | **9.3** | 2.8 | | 0935 | **9.2** | 2.8 |
| MO | 1420 | **3.6** | 1.1 | TU | 1525 | **4.3** | 1.3 |
| LU | 2100 | **10.3** | 3.1 | MA | 2130 | **9.6** | 2.9 |
| 3 | 0355 | **4.7** | 1.4 | 18 | 0450 | **4.7** | 1.4 |

7. Apply the time and height differences selected according to instruction 6 to the reference port daily predictions from 5 and obtain the required secondary port predictions which are invariably in the time zone of the secondary port irrespective of the time zone of the reference port

### Worked Example

| | | | | | | |
|---|---|---|---|---|---|---|
| Step 1 | Rock Harbour | | · 4 | | | |
| Step 2 | Higher Time | High Mean Tide | Water Large Tide | Lower Time | Low Mean Tide | Water Large Tide |
| | · 0 30 | · 2.4 | · 3.0 | · 0 20 | − 0.6 | · 0.2 |
| Step 3 | Bay Head | | | | | |
| Step 4 | Higher | High Mean Tide | Water Large Tide | Lower | Low Mean Tide | Water Large Tide |
| | | 8.0 | 14.0 | | 4 0 | 0 0 |
| Step 5 | Morning Tide | | | Afternoon Tide | | |
| | 0720 | 10.0 | | 1310 | 3.0 | |
| Step 6 | · 030 | · 2.4 | | · 020 | − 0 6 | |
| Step 7 | 0750 | 12.4 | | 1330 | 2.4 | |
| | Time Zone | · 4 | | | | |

## SECONDARY PORTS

## PORTS SECONDAIRES

TABLE 3

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION LAT. N. | POSITION LONG. W. / LONG. O. | DIFFERENCES HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | DIFFERENCES LOWER LOW WATER / BASSE MER INFÉRIEURE TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | RANGE / AMPLITUDE MEAN TIDE / MARÉE MOYENNE | RANGE / AMPLITUDE LARGE TIDE / GRANDE MARÉE | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ° ′ | ° ′ | h m | ft/pi | ft/pi | h m | ft/pi | ft/pi | ft/pi | ft/pi | ft/pi |
| | | | | | on/sur BAY HEAD, pages 32-35 | | | | | | | | |
| 0002 | ROCK HARBOUR | +4 | 61 00 | 61 00 | +0 30 | +2.4 | +3.0 | +0 20 | -0.6 | +0.2 | 7.0 | 16.8 | 9.0 |

SAMPLE EXEMPLE

## REFERENCE PORTS

## PORTS DE RÉFÉRENCE

TABLE 2

TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL

*HAUTEURS DES MARÉES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

| REFERENCE PORT / PORT DE RÉFÉRENCE | HEIGHTS / HAUTEURS HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE MEAN TIDE / MARÉE MOYENNE | | HEIGHTS / HAUTEURS HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE LARGE TIDE / GRANDE MARÉE | | HEIGHTS / HAUTEURS LOWER LOW WATER / BASSE MER INFÉRIEURE MEAN TIDE / MARÉE MOYENNE | | HEIGHTS / HAUTEURS LOWER LOW WATER / BASSE MER INFÉRIEURE LARGE TIDE / GRANDE MARÉE | | RECORDED EXTREMES / EXTRÊMES ENREGISTRÉS HIGHEST H. W. / EXTRÊME DE PLEINE MER | | RECORDED EXTREMES / EXTRÊMES ENREGISTRÉS LOWEST L. W. / EXTRÊME DE BASSE MER | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ft/pi | m | ft/pi | m | ft/pi | m | ft/pi | m | ft/pi | m | ft/pi | m | ft/pi | m |
| BAY HEAD | 8.0 | 2.4 | 14.0 | 4.3 | 4.0 | 1.2 | 0.0 | 0.0 | 18.0 | 5.5 | -0.5 | -0.2 | 6.5 | 2.0 |

SAMPLE EXEMPLE

# Introduction

## Partie 1 — RENSEIGNEMENTS PRATIQUES

### Tables des marées

L'heure et la hauteur sont prédites et présentés sous forme de tables quotidiennes pour tous les ports de référence. Les colonnes indiquant les hauteurs en pieds sont ombrées pour les distinguer des colonnes indiquant les hauteurs en mètres.

### Tables des courants

L'heure et le taux de vitesse maximale des courants, ou l'heure de l'étale lorsque les courants changent de direction, sont prédits et présentés sous forme de tables quotidiennes pour toutes les stations de mesure des courants. Les fluctuations dans le mouvement horizontal des eaux dues aux conditions météorologiques peuvent prolonger la durée et augmenter la vitesse du courant dans une direction et causer un effet contraire lorsque la direction change de sens. Le courant peut par conséquent ne pas changer de direction exactement au moment prédit, mais en ce cas le taux sera relativement faible.

Partout dans les tables la direction des courants est indiquée par (+) lorsque le courant marégraphique se déplace vers une région de marée montante ou (−) lorsqu'il se déplace vers une région de marée descendante.

### Cartes

La carte du haut au verso de la couverture indique les limites et les numéros de tous les volumes de la série sur les tables canadiennes des marées et courants.

La carte du bas indique les régions générales où sont groupés les ports secondaires. Les régions sont numérotées consécutivement selon l'ordre géographique de distribution des ports de référence et des ports secondaires dans le volume. La carte indique aussi l'emplacement des ports de référence et des stations de mesure des courants.

### Régions et emplacements

Dans les tables de renseignements sur les ports secondaires et des différences marégraphiques, chaque titre de région générale comporte un nom descriptif en plus de son numéro consécutif. Ceci facilite la tâche de situer chaque région et permet de vérifier rapidement toutes les données disponibles.

À l'intérieur de ces régions générales, tous les ports secondaires sont disposés et énumérés par emplacement.

### Toponymes et coordonnées

Partout dans les tables, les noms donnés aux ports de référence et aux ports secondaires sont, pour la plupart, des noms approuvés par le Comité permanent canadien des noms géographiques.

Les coordonnées géographiques données dans les tables des ports de référence et des ports secondaires sont celles des stations marégraphiques originelles et il faut les utiliser chaque fois que l'on a besoin de leurs positions précises. Les toponymes associés à ces coordonnées ont été choisis parmi ceux des endroits ou des accidents géographiques importants les plus rapprochés. En conséquence les coordonnées géographiques et les noms peuvent ne pas correspondre exactement.

### Directives et exemples

On trouvera dans le présent annuaire des directives et des exemples relatifs à la méthode à suivre pour prédire les heures et les hauteurs aux ports secondaires et calculer les hauteurs et les heures intermédiaires aux ports de référence et aux ports secondaires. On a utilisé partout dans ces exemples des renseignements factices.

### Définitions

*Les ports de référence ou les stations de référence de courant* sont ceux pour lesquels on publie les prédictions sous forme de tables quotidiennes soit des heures et des hauteurs soit des heures des renversements et des vitesses maximales.

*Les ports secondaires ou les stations secondaires de courant* sont ceux pour lesquels on publie les différences soit pour les heures et les hauteurs soit pour les heures des renversements.

Les différences sont les corrections qu'il faut appliquer aux prédictions à un port de référence ou à une station de référence de courant pour obtenir les prédictions à un port secondaire ou à une station secondaire de courant.

*Les zones horaires* de prédiction aux ports de référence et aux ports secondaires suivent d'ordinaire l'heure normale de la région. Elle est indiquée en haut des tables de prédiction quotidienne par le suffixe (Z) placé après chaque nom et accompagné par les initiales et le numéro de la zone ainsi que par les chiffres de la colonne de la zone horaire des tables 1 et 3. Le signe (+) indique qu'on peut obtenir le temps moyen de Greenwich (TMG) en additionnant à l'heure normale le nombre d'heures correspondant à la zone horaire.

Les zones horaires normales représentées par les initiales et les chiffres s'établissent somme suit:

| | | |
|---|---|---|
| HNTN | Z + 3½ | Heure normale de Terre-Neuve |
| HNA | Z + 4 | Heure normale de l'Atlantique |
| HNE | Z + 5 | Heure normale de l'Est |
| HNC | Z + 6 | Heure normale du Centre |
| HNM | Z + 7 | Heure normale des Montagnes |
| HNP | Z + 8 | Heure normale du Pacifique |

Pour convertir les prédictions en heure d'été, on ajoute une heure.

*Le niveau de référence marégraphique* établi pour les ports de référence et les ports secondaires est le même, à moins d'indication contraire, que le niveau de référence (zéro des cartes) dans la région. Conformément à l'accord international, le zéro des cartes est le niveau sous lequel la marée descend rarement. Le Service hydrographique du Canada a adopté le niveau de la marée normale la plus basse comme zéro des cartes.

*La hauteur de la marée* est la distance verticale qui sépare la surface de la mer et le zéro des cartes. Pour trouver la profondeur totale, on ajoute la hauteur de la marée aux données sur la profondeur apparaissant sur la carte. Ainsi, quand la carte indique une profondeur de 20 pieds à un endroit et que la hauteur prédite de la pleine mer est de 10 pieds, la profondeur réelle de la pleine mer est de 30 pieds.

Dans le cas de certains ports inaccessibles à marée basse et où les navires reposent alors sur des tins ou des clayonnages, les hauteurs de la marée se mesurent à partir de ces objets.

Le marnage de la marée moyenne est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la marée moyenne.

Le marnage de la grand marée est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la grande marée.

*Le niveau moyen de l'eau* est la hauteur au-dessus du zéro des cartes de la moyenne de toutes les observations horaires utilisées à un endroit particulier pour étudier la marée.

Données marégraphiques sur les cartes du Service hydrographique du Canada

La plupart des cartes publiées par le Service hydrographique du Canada indiquent le niveau de référence et, au besoin, des renseignements marégraphiques. Le tableau de ces renseignements comprend, pour des endroits donnés, les hauteurs de pleine mer supérieure et de basse mer inférieure des grandes et moyennes marées. Ces hauteurs sont calculées d'après le niveau de référence. Ces renseignements doivent servir de guide pour déterminer la hauteur de la marée à ces endroits. Si on a besoin de prédictions plus précises, il faut consulter les tables de marée.

On donne aussi au tableau la hauteur du niveau moyen de l'eau, à ne pas confondre avec le niveau de référence géodésique du Canada vu que le niveau moyen de l'eau peut changer avec le temps.

Renseignements supplémentaires

Les tables renferment les renseignements les plus récents.

Les renseignements additionnels ou les modifications qui sont disponibles avant le 1er novembre de l'année précédente seront publiés dans l'édition hebdomadaire n° 46 des *Avis aux navigateurs* (Édition canadienne). Toutes les modifications ultérieures seront publiées au besoin dans les *Avis aux navigateurs*.

Revision

Afin de faciliter la revision et d'améliorer la précision ou l'utilité de ces tables, on prie les navigateurs, les autorités des ports, les arpenteurs, les ingénieurs et tous ceux qui les utilisent de soumettre leurs commentaires sur l'un ou l'autre point suivant: fautes d'impression, différences appréciables entre les hauteurs des marées prédites et observées, niveaux extrêmes, améliorations des tables, et renseignements provenant des stations marégraphiques privées.

*Nota: Le Service hydrographique du Canada fournira sur demande des renseignements sur l'aménagement et l'utilisation de marégraphes automatiques.*

Toute communication doit être envoyée au Service hydrographique du Canada, Ottawa, Ont., ou aux bureaux régionaux de Dartmouth, N.-É., Québec, QC, Burlington, Ont., ou Sidney, C.-B.

Remerciements

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## Partie 2 — RENSEIGNEMENTS THÉORIQUES

Genres de marée

*Marée semi-diurne (SD)* — deux oscillations marégraphiques complètes quotidiennes, les deux pleines mers étant de hauteur semblable, de même que les deux basses mers. Les deux pleines mers du jour suivent les passages supérieur et inférieur de la lune d'environ le même intervalle.

*Marée mixte, surtout semi-diurne (MSD)* — deux oscillations marégraphiques quotidiennes complètes avec inégalités à la fois en hauteur et dans le temps où elle atteint ses plus grandes valeurs alors que la déclinaison de la lune est passée par son maximum.

*Marée mixte, surtout diurne (MD)* — habituellement, et à coup sûr quand la lune présente une faible déclinaison, il se produit deux oscillations marégraphiques complètes quotidiennes. Les inégalités entre les hauteurs des pleines et basses mers successives et le temps des intervalles correspondants sont très marquées.

*Marée diurne (D)* — une oscillation marégraphique complète quotidienne.

Précision des prédictions

*Ports de référence* — La précision des prédictions aux ports de référence dépend de la quantité et de la qualité des constantes marégraphiques utilisées pour les calculer. Ces constantes à leur tour sont directement reliées à la longueur de la période d'observation utilisée dans l'analyse marégraphique et d'où les constantes sont dérivées. Lorsque les dossiers le permettent on utilise des observations s'étendant sur au moins une année.

*Ports secondaires* — La précision des différences marégraphiques aux ports secondaires dépend aussi de la qualité des constantes marégraphiques utilisées pour les calculer, comme pour les ports de référence. Dans la majorité des cas cependant la période d'observations ne s'étend pas sur plus d'un mois, et parfois moins. Leur qualité est par conséquent affectée par les fluctuations du niveau des marées comparativement à la normale, durant cette période, à la suite des conditions météorologiques.

De plus, leur précision est fortement dépendante de la similarité entre les caractéristiques de la marée aux ports secondaires et aux ports de référence. Il n'y a pas deux endroits au monde où les marées sont identiques de sorte que même si leurs caractéristiques sont semblables les prédictions aux ports secondaires faites en utilisant les différences marégraphiques ne peuvent pas être considérées aussi précises que les prédictions complètes faites pour un port de référence. Du point de vue pratique cependant on a fait tout ce qui est possible pour établir les comparaisons entre les ports de référence et les ports secondaires qui présentent des caractéristiques marégraphiques semblables. À cause du petit nombre de ports de référence disponibles cette façon de faire n'a pas toujours été possible. Par contre les inexactitudes ainsi engendrées sont habituellement inférieures à celles qui proviennent des fluctuations des niveaux des marées causées par les conditions météorologiques.

Effets des conditions météorologiques sur la hauteur des marées

Les hauteurs publiées pour les ports de référence ne représentent que l'oscillation marégraphique, soit une certaine hauteur au-dessus et au-dessous du niveau moyen de l'eau.

Les conditions météorologiques comme les vents violents et prolongés, les changements rapides de la pression barométrique ou les périodes prolongées de très haute ou de très basse pression influent sur le niveau de l'eau. La hauteur des marées hautes et basses est le résultat d'oscillations marégraphiques que l'on peut prédire et de variations d'origine météorologique que l'on ne peut prévoir longtemps à l'avance. Ainsi si le niveau de la mer a monté à la suite de l'influence de conditions météorologiques, la hauteur des marées hautes et basses sera supérieure à celle prédite et vice versa. Cependant, un changement dans les conditions météorologiques n'est jamais assez rapide pour qu'une marée haute favorisée par des conditions antérieures soit suivie d'une marée basse abaissée davantage par le changement des conditions, et la même chose est vraie d'une marée basse suivie d'une marée haute. Les niveaux extrêmes établis pour chacun des ports de référence ont invariablement été atteints dans des circonstances bien différentes et à des périodes à longs intervalles.

# Calcul

## des hauteurs ou des heures intermédiaires

La Table des calculs est destinée surtout à trouver la hauteur de la marée à un port de référence à un moment donné entre les hauteurs prédites, ou l'heure à laquelle une hauteur donnée est atteinte. Elle donnera des chiffres suffisamment précis pour tous les ports de référence situés dans les eaux canadiennes si la durée du flot et du jusant rentre dans les limites établies (voir le paragraphe intitulé Interpolation). On peut l'appliquer aussi aux ports secondaires, avec moins d'exactitude, quand on a calculé les heures et les hauteurs appropriées.

### Directives et exemples

Hauteur à une heure donnée

Pour calculer la hauteur de la marée, à Bay Head, le 2 juillet à 17h20:

1. D'après les tables quotidiennes, noter les heures et les hauteurs précédant et suivant l'heure donnée (17h20) et obtenir:

a) la durée du flux ou du reflux, savoir la différence d'heure entre les hauteurs prédites (2230 − 1600 = 6 30).

b) le marnage de la marée, savoir la différence de hauteur entre les hauteurs prédites (14.8 − 0.8 = 14.0).

c) le temps qui sépare l'heure donnée et celle de la hauteur prédite la plus rapprochée (1720 − 1600 = 1 20).

2. Dans la colonne Durée de la table, trouver la durée calculée à 1a(6 30) et suivre la ligne horizontale jusqu'au chiffre le plus rapproché de celui qui est calculé à 1c(1 20). Noter le numéro de la colonne (2). (Suivez le *)

3. Dans la colonne Marnage, trouver le marnage calculée à 1b(14.0) et suivre la ligne horizontale jusqu'à la colonne portant le même numéro qu'à 2 (colonne 2). Noter le chiffre qui s'y trouve (1.4). (Suivez le *)

4. Ce chiffre est la différence entre la hauteur cherchée et la hauteur du niveau prédit à partir de laquelle on a calculé l'intervalle de temps indiqué à 1c (1600 0.8). Soustraire ce chiffre de la hauteur dans le cas d'un niveau supérieur et l'ajouter dans le cas d'un niveau inférieur (0.8 + 1.4 = 2.2). On obtient ainsi la hauteur de la marée à l'heure donnée.

Hauteur calculée: 2.2 pieds.

*Nota: Pour appliquer la table à des marées d'un marnage dépassant 30 pieds, il faut diviser par deux la valeur calculée de l'amplitude trouvée à 1b. et doubler la différence de hauteur, tirée de la table.*

## BAY HEAD (EST Z+5)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0252 | **1.2** | 4 | 16 | 0355 | **3.2** | 1 0 |
| | 0910 | **14.7** | 4 5 | | 1025 | **13.4** | 4 1 |
| SU | 1510 | **.8** | 2 | MO | 1605 | **2.3** | 7 |
| DI | 2130 | **14.9** | 4 5 | LU | 2245 | **13.6** | 4 1 |
| 2 | 0335 | **1.2** | 4 | 17 | 0515 | **2.9** | 9 |
| | 1010 | **14.5** | 4 5 | | 1110 | **13.5** | 4 1 |
| MO | 1600 | **.8** | 2 | TU | 1740 | **2.0** | 6 |
| LU | 2230 | **14.8** | 4 5 | MA | 2335 | **13.8** | 4 2 |
| 3 | 0420 | **1.4** | 4 | 18 | 0555 | **2.7** | 8 |

Heure à une hauteur donnée

Pour calculer l'heure à laquelle la marée montante de l'après-midi, à Bay Head, le 2 juillet, atteindra la hauteur de 2.2 pieds.

1. D'après les tables quotidiennes, noter les heures et les hauteurs précédant et suivant la hauteur donnée (2.2 pieds) et obtenir:

a) la durée du flux ou du reflux, savoir la différence de temps entre les hauteurs prédites (2230 − 1600 = 6 30).

b) le marnage de la marée, savoir la différence entre les hauteurs prédites (14.8 − 0.8 = 14.0).

c) la différence de hauteur entre la hauteur donnée et les hauteurs prédites les plus rapprochées (2.2 − 0.8 = 1.4).

2. Dans la colonne Marnage de la table, trouver le marnage calculée à 1b et suivre la ligne horizontale jusqu'au chiffre le plus rapproché de celui qui est calculé à 1c. Noter le numéro de la colonne (2). (Suivez le *)

3. Dans la colonne Durée, trouver la durée calculée à 1a et suivre la ligne horizontale jusqu'à la colonne portant le même numéro qu'à 2. Noter le chiffre qui y figure (1 20). (Suivez le *)

4. Ce chiffre est la différence entre l'heure cherchée et celle des hauteurs prédites à partir de laquelle on a calculé la différence de hauteur à 1c (1600 0.8). S'il s'agit de la hauteur la plus basse à 1c, ajouter l'intervalle de temps à une marée montante et le soustraire à une marée descendante (1600 + 1 20 = 1720). S'il s'agit de la hauteur la plus élevée, soustraire l'intervalle de temps à une marée montante et l'ajouter à une marée descendante. On obtient ainsi l'heure à laquelle la hauteur donnée sera atteinte.

Heure calculée: 1720 heures.

*Nota: Pour appliquer cette table à des marées d'un marnage de plus de 30 pieds, il faut diviser par deux les valeurs calculées de l'amplitude trouvée à 1b et la différence de hauteur trouvée à 1c. Ne pas modifier l'intervalle de temps tiré de la table.*

## Différence de hauteur du niveau predit le plus rapproché

| Amplitude | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| 1 | .1 | 1 | .2 | .2 | .3 | .3 | .4 | .4 | .5 | .5 |
| 2 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 |
| 3 | .2 | .3 | .5 | .6 | .8 | .9 | 1.1 | 1.2 | 1.4 | 1.5 |
| 4 | .2 | .4 | .6 | .8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 |
| 5 | .3 | .5 | .8 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 |
| 6 | .3 | .6 | .9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
| 7 | .4 | .7 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.8 | 3.2 | 3.5 |
| 8 | .4 | .8 | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 |
| 9 | .5 | .9 | 1.4 | 1.8 | 2.3 | 2.7 | 3.2 | 3.6 | 4.1 | 4.5 |
| 10 | .5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 |
| 11 | .6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.9 | 4.4 | 5.0 | 5.5 |
| 12 | .6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| 13 | .7 | 1.3 | 2.0 | 2.6 | 3.3 | 3.9 | 4.6 | 5.2 | 5.9 | 6.5 |
| 14* | .7 | 1.4* | 2.1 | 2.8 | 3.5 | 4.2 | 4.9 | 5.6 | 6.3 | 7.0 |
| 15 | .8 | 1.5 | 2.3 | 3.0 | 3.8 | 4.5 | 5.3 | 6.0 | 6.8 | 7.5 |
| 16 | .8 | 1.6 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 7.2 | 8.0 |
| 17 | .9 | 1.7 | 2.6 | 3.4 | 4.3 | 5.1 | 6.0 | 6.8 | 7.7 | 8.5 |
| 18 | .9 | 1.8 | 2.7 | 3.6 | 4.5 | 5.4 | 6.3 | 7.2 | 8.1 | 9.0 |
| 19 | 1.0 | 1.9 | 2.9 | 3.8 | 4.8 | 5.7 | 6.7 | 7.6 | 8.6 | 9.5 |
| 20 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
| 21 | 1.1 | 2.1 | 3.2 | 4.2 | 5.3 | 6.3 | 7.4 | 8.4 | 9.5 | 10.5 |
| 22 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.6 | 7.7 | 8.8 | 9.9 | 11.0 |
| 23 | 1.2 | 2.3 | 3.5 | 4.6 | 5.8 | 6.9 | 8.1 | 9.2 | 10.4 | 11.5 |
| 24 | 1.2 | 2.4 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 |
| 25 | 1.3 | 2.5 | 3.8 | 5.0 | 6.3 | 7.5 | 8.8 | 10.0 | 11.3 | 12.5 |
| 26 | 1.3 | 2.6 | 3.9 | 5.2 | 6.5 | 7.8 | 9.1 | 10.4 | 11.7 | 13.0 |
| 27 | 1.4 | 2.7 | 4.1 | 5.4 | 6.8 | 8.1 | 9.5 | 10.8 | 12.2 | 13.5 |
| 28 | 1.4 | 2.8 | 4.2 | 5.6 | 7.0 | 8.4 | 9.8 | 11.2 | 12.6 | 14.0 |
| 29 | 1.5 | 2.9 | 4.4 | 5.8 | 7.3 | 8.7 | 10.2 | 11.6 | 13.1 | 14.5 |
| 30 | 1.5 | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 |

*Les astérisques dans cette table servent exclusivement à illustrer les exemples de la page xii.

## Interpolation

La Table des calculs est une table générale destinée à être utilisée pour tous les ports. Dans le cas de la plupart de ces derniers, la courbe des marées est quelque peu déformée. Par conséquent, là où les marées sont faibles, il est inutile d'interpoler quand les valeurs calculées de la durée, de l'intervalle de temps, du marnage et de la différence de hauteur ne coïncident pas avec celles des Tables. Là où les marées sont fortes, cependant, il est plus avantageux d'interpoler, mais une simple estimation visuelle donnera une prédiction suffisamment exacte. Si la durée ou le marnage de la marée sont inférieures à celles calculées à la Table, on peut faire une interpolation arithmétique directe.

## Conversion des hauteurs de marée en altitudes approximatives à partir du niveau moyen de la mer

On peut convertir la hauteur de marée en altitude approximative au-dessus (+) ou au-dessous (−) du niveau moyen de la mer en soustrayant la hauteur du niveau moyen de l'eau au port donné, de la hauteur calculée de la marée.

## Intervalle de la hauteur prédite la plus rapprochée

| Durée | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*Les astérisques dans cette table servent exclusivement à illustrer les exemples de la page xii.

# Prédiction

## des marées au ports secondaires

### Exemple

Pour prédire les heures et hauteurs des marees du matin et de l'après-midi, le 1er juillet, a Rock Harbour (heure normale)

### Directives

Il faut executer les directives de 1 à 7 en suivant les sept etapes enumerees dans l'exemple qui se trouve au bas de la deuxieme colonne de cette page.

1. Localiser le port en question dans la table 3 "Ports secondaires" et noter le fuseau horaire.

2. Noter les differences d'heure et de hauteur inscrites a la table 3 concernant ce port. (Voir l'exemple, page ix)

3. Noter le nom du port de reference qui le precede dans la table 3

4. Noter les hauteurs des marées moyennes et grandes marees a ce port de reference et inscrites à la table 2 "Ports de reference" (Voir l'exemple, page ix)

5. Noter les prédictions quotidiennes appropriees concernant ce port de référence. (Voir l'exemple sur cette page.)

6. a) Choisir la difference de temps et de hauteur appropriée en 2. À toutes fins utiles, on utilise la difference de marée moyenne de la haute mer supérieure (ex: 2.4) si la hauteur predite la plus élevee en 5 (ex: 10.0) est plus rapprochee de la hauteur de maree moyenne de la haute mer supérieure en 4 (ex: 8.0) que la hauteur de la grand marée (ex: 14.0) et vice versa. On utilise aussi la différence de marée moyenne si la difference de la grande maree est omise. On utilise de la même façon les differences de basse mer inferieure pour les hauteurs predites inferieures.

b) Si les hauteurs predites en 5 sont plus rapprochees des hauteurs de la maree haute plutôt que de la maree basse en 4, on utilise alors les differences de temps et de hauteur de la haute mer supérieure à la fois pour les temps et les niveaux prédits. À marée basse, on utilise les differences de temps et de hauteur de la basse mer inférieure à la fois pour les temps et les niveaux predits.

c) Une methode plus precise pour calculer les différences de hauteur consiste à faire une interpolation entre les differences de hauteur en 2 selon le rapport determine par la position du niveau prédit entre la hauteur de la marée moyenne et celle de la grande marée. Si le niveau prédit ne se situe pas entre les hauteurs des marées moyenne et grande, on effectuera une extrapolation au lieu d'une interpolation, et le resultat de cette extrapolation sera nécessairement inférieur ou supérieur aux différences de hauteur indiquées en 2.

## BAY HEAD (EST Z S)

JULY JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | **4.0** | 1.2 | 16 | 0230 | **4.2** | 1.3 |
| | 0720 | **10.0** | 3.0 | | 0825 | **9.7** | 3.0 |
| SU | 1310 | **3.0** | .9 | MO | 1405 | **4.0** | 1.2 |
| DI | 1900 | **11.0** | 3.4 | LU | 2025 | **10.1** | 3.1 |
| 2 | 0245 | **4.3** | 1.5 | 17 | 0340 | **4.8** | 1.5 |
| | 0830 | **9.3** | 2.8 | | 0935 | **9.2** | 2.8 |
| MO | 1420 | **3.6** | 1.1 | TU | 1525 | **4.3** | 1.3 |
| LU | 2100 | **10.3** | 3.1 | MA | 2130 | **9.8** | 2.9 |
| 3 | 0355 | **4.7** | 1.4 | 18 | 0450 | **4.7** | 1.4 |

7. Appliquer les differences d heure et de hauteur, choisies selon la directive 6, aux predictions quotidiennes du port de reference en 5, et en tirer les predictions au port secondaire en cause qui sont toujours relatives a l'heure normale du port secondaire et independantes de celui du port de reference.

### Exemple

Etape 1 Rock Harbour · 4

Etape 2

| Pleine mer superieure | | | Basse mer inferieure | | |
|---|---|---|---|---|---|
| Temps | Maree moyenne | Grande maree | Temps | Maree moyenne | Grande maree |
| · 0 30 | · 2 4 | · 3 0 | · 0 20 | 0 6 | · 0 2 |

Etape 3 Bay Head

Etape 4

| Pleine mer superieure | | Basse mer inferieure | |
|---|---|---|---|
| Maree moyenne | Grande maree | Maree moyenne | Grande maree |
| 8.0 | 14.0 | 4.0 | 0.0 |

Etape 5

| Maree du matin | | Maree de l apres-midi | |
|---|---|---|---|
| 0720 | 10.0 | 1310 | 3.0 |

Etape 6 · 030 · 2 4 · 020 0 6

Etape 7 0750 12.4 1330 2 4

Fuseau horaire · 4

TABLE 1
INFORMATION AND RANGE
*RENSEIGNEMENTS ET MARNAGE*

| REFERENCE PORT / *PORT DE REFERENCE* | INDEX NO. / *NO. D'INDEX* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* | | TYPE OF TIDE / *GENRE DE MAREES* | RANGE / *MARNAGE* | |
|---|---|---|---|---|---|---|---|
| | | | LATITUDE NORTH / *LATITUDE NORD* | LONGITUDE WEST / *LONGITUDE OUEST* | | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MAREE* |
| **TIDES/*MARÉES*** | | | | | | *ft./pi.* *m* | *ft./pi.* *m* |
| SEPT-ILES | 2780 | -5 | 50 13 | 66 24 | MSD | 7.6 2.3 | 12.0 3.7 |
| POINTE-AU-PERE | 2980 | -5 | 48 31 | 68 28 | SD | 10.0 3.0 | 15.2 4.6 |
| QUEBEC | 3250 | -5 | 46 50 | 71 10 | SD | 13.3 4.1 | 19.1 5.8 |
| GRONDINES | 3325 | -5 | 46 35 | 72 02 | MSD | 6.2 1.9 | 8.6 2.6 |
| PORT-ALFRED | 3460 | -5 | 48 20 | 70 52 | SD | 14.0 4.3 | 22.3 6.8 |
| CHICOUTIMI | 3480 | -5 | 48 26 | 71 05 | SD | 12.5 3.8 | 20.6 6.3 |
| **CURRENTS/*COURANTS*** | | | | | | | |
| TRAVERSE DE SAINT-ROCH | — | -5 | 47 22 | 70 15 | — | — — | — — |

REFERENCE PORTS PORTS DE RÉFÉRENCE

TABLE 2
TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL
*HAUTEURS DES MARÉES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

| REFERENCE PORT / *PORT DE REFERENCE* | HEIGHTS *HAUTEURS* | | | | | | |
|---|---|---|---|---|---|---|---|
| | HIGHER HIGH WATER / *PLEINE MER SUPERIEURE* | | LOWER LOW WATER / *BASSE MER INFERIEURE* | | RECORDED EXTREMES / *EXTRÊMES ENREGISTRES* | | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
| | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MAREE* | MEAN TIDE / *MAREE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | HIGHEST H.W. / *EXTRÊME DE PLEINE MER* | LOWEST L.W. / *EXTRÊME DE BASSE MER* | |
| **TIDES/*MARÉES*** | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* | *ft./pi.* *m* |
| SEPT-ILES | 9.0 2.7 | 11.3 3.4 | 1.4 0.4 | -0.7 0.2 | 13.1 4.0 | -1.8 0.6 | 4.9 1.5 |
| POINTE-AU-PERE | 12.8 3.9 | 15.7 4.8 | 2.8 0.9 | 0.5 0.2 | 17.4 5.3 | -2.8 0.9 | 7.4 2.3 |
| QUEBEC | 15.8 4.8 | 18.8 5.7 | 2.5 0.8 | -0.3 0.1 | 23.4 7.1 | -4.4 1.3 | 8.5 2.6 |
| GRONDINES | 10.4 3.2 | 12.3 3.7 | — — | — — | 18.4 5.6 | -1.8 0.5 | 6.5 2.0 |
| PORT-ALFRED | 16.4 5.0 | 20.6 6.3 | 2.4 0.7 | -1.7 0.5 | 24.7 7.5 | -3.9 1.2 | 9.1 2.8 |
| CHICOUTIMI | 15.2 4.6 | 20.0 6.1 | 2.7 0.8 | -0.2 0.0 | 21.3 6.5 | -1.0 0.3 | 8.0 2.4 |

TABLE 3
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFERENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPERIEURE | | | LOWER LOW WATER / BASSE MER INFERIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MAREE MOYENNE | LARGE TIDE / GRANDE MAREE | TIME / HEURE | MEAN TIDE / MAREE MOYENNE | LARGE TIDE / GRANDE MAREE | MEAN TIDE / MAREE MOYENNE | LARGE TIDE / GRANDE MAREE | |
| | | | | | h m | ft pi | ft pi | h m | ft pi | ft pi | ft pi | ft pi | ft pi |
| | **AREA 1 / RÉGION 1**<br>**ST. LAWRENCE RIVER BELOW SAGUENAY RIVER**<br>***FLEUVE ST. LAURENT EN AVAL DE LA RIVIÈRE SAGUENAY*** | | | | | | | | | | | | |
| | | | | | on *sur* SEPT ILES, pages 2 5 | | | | | | | | |
| | NORTH SHORE<br>RIVE NORD | | | | | | | | | | | | |
| 2750 | RIVIERE AU TONNERRE | -5 | 50 17 | 64 47 | 0 22 | 1 5 | 1.9 | 0 18 | 0 1 | -0 5 | 6.3 | 9.6 | 4 1 |
| 2790 | PORT CARTIER | -5 | 50 02 | 66 47 | -0 03 | 0 0 | 0.0 | -0 03 | 0 0 | -0 1 | 7 6 | 11 9 | 4 9 |
| | | | | | on *sur* POINTE AU PERE, pages 6 9 | | | | | | | | |
| 2810 | ILETS CARIBOU | -5 | 49 30 | 67 13 | 0 18 | 2 0 | 2 3 | 0 20 | 0 1 | -0 2 | 8 1 | 12.7 | |
| 2820 | POINTE-DES-MONTS | -5 | 49 20 | 67 22 | 0 16 | 2 3 | 2 8 | 0 15 | 0 6 | 0 6 | 8 3 | 13 0 | |
| 2840 | BAIE-COMEAU | -5 | 49 14 | 68 08 | 0 08 | 1 8 | 2 1 | 0 15 | 1 0 | 0 9 | 9 8 | 14 1 | 6 0 |
| | RIVIERE BETSIAMITES | | | | | | | | | | | | |
| 2860 | BETSIAMITES | -5 | 48 56 | 68 38 | -0 02 | | | -0 21 | | | | | |
| | NORTH SHORE<br>RIVE NORD | | | | | | | | | | | | |
| 2880 | FORESTVILLE | -5 | 48 44 | 69 03 | 0 00 | -0 8 | -1.3 | 0 00 | -0 3 | -0 1 | 10.5 | 16 4 | |
| 2900 | LES ESCOUMINS | -5 | 48 21 | 69 23 | 0 00 | -0 5 | -0 4 | -0 05 | 0 4 | 0 3 | 11 4 | 15 9 | 7 5 |
| | SOUTH SHORE<br>RIVE SUD | | | | | | | | | | | | |
| 2920 | MONT-LOUIS | -5 | 49 14 | 65 44 | 0 17 | 4 2 | 5.2 | 0 14 | 0 7 | 0 1 | 6 5 | 10 1 | 5 2 |
| 2935 | SAINTE-ANNE-DES-MONTS | +5 | 49 08 | 66 29 | -0 10 | 3 4 | 4.1 | 0 06 | 1 0 | 0 3 | 7 6 | 11 4 | 5 3 |
| 2940 | CAP CHAT | +5 | 49 06 | 66 45 | -0 07 | -1 6 | -2 0 | 0 09 | -0 1 | -0 6 | 8 3 | 12 6 | |
| 2945 | LE GROS-MECHINS | +5 | 49 00 | 66 59 | 0 09 | -2 4 | -2.2 | 0 09 | -0 8 | -0 4 | 8 4 | 13 4 | |
| 2955 | MATANE | +5 | 48 51 | 67 32 | -0 09 | -1.7 | -2.2 | 0 08 | -0 6 | -0 5 | 8 9 | 13 5 | 6 4 |
| 2995 | BIC | +5 | 48 23 | 68 44 | -0 11 | +0.5 | +0.5 | +0 16 | -0 4 | 0 3 | 10.1 | 16 0 | |
| 3005 | TROIS-PISTOLES | +5 | 48 08 | 69 11 | +0 05 | +0.7 | +1.1 | +0 12 | -0 1 | 0 5 | 10 8 | 16 7 | |

TABLE 3 Cont'd/*Suite*
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFÉRENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | ° ′ | ° ′ | h. m. | ft. pi. | ft. pi. | h. m. | ft. pi. | ft. pi. | ft. pi. | ft. pi. | ft. pi. |
| | **AREA 2 / RÉGION 2**<br>**ST. LAWRENCE RIVER BELOW QUÉBEC**<br>***FLEUVE ST. LAURENT EN AVAL DE QUÉBEC*** | | | | | | | | | | | | |
| | | | | | | on *sur* POINTE-AU-PERE, pages 6-9 | | | | | | | |
| | CHENAL DU NORD | | | | | | | | | | | | |
| 3030 | SAINT-SIMEON | +5 | 47 50 | 69 52 | +1 16 | +3.3 | +4.0 | +1 13 | +0.8 | −0.1 | 12.5 | 19.3 | 9.6 |
| 3045 | POINTE-AU-PIC | +5 | 47 37 | 70 08 | +1 02 | +4.3 | +5.1 | +1 07 | +0.4 | −0.4 | 13.9 | 20.7 | 9.8 |
| 3048 | SAINT-IRENEE | +5 | 47 34 | 70 12 | +1 38 | +4.8 | +6.3 | +1 49 | −0.5 | −1.3 | 15.2 | 22.8 | 10.1 |
| 3057 | SAINT-JOSEPH-DE-LA RIVE | +5 | 47 27 | 70 22 | +2 02 | +6.8 | +7.7 | +1 40 | +1.2 | 0.0 | 15.9 | 22.9 | 11.8 |
| 3060 | CAP-AUX-CORBEAUX | +5 | 47 28 | 70 27 | +2 12 | +4.9 | +6.7 | +2 08 | +0.3 | −0.1 | 15.2 | 22.1 | |
| | | | | | | on *sur* QUEBEC, pages 10-13 | | | | | | | |
| 3070 | SAULT-AU-COCHON | +5 | 47 12 | 70 38 | −1 43 | +1.5 | +2.4 | −1 42 | −0.3 | −0.7 | 15.1 | 22.2 | 9.2 |
| | CHENAL DE L'ILE D'ORLEANS | | | | | | | | | | | | |
| 3080 | SAINT-JOACHIM | +5 | 47 03 | 70 51 | −0 55 | +2.1 | +2.5 | −1 07 | −0.9 | +0.7 | 16.3 | 20.9 | |
| 3087 | SAINTE-ANNE-DE-BEAUPRE | +5 | 47 01 | 70 56 | −0 41 | +2.6 | +3.6 | −0 40 | +1.1 | +0.8 | 14.8 | 21.9 | 10.4 |
| 3095 | MONTMORENCY | +5 | 46 53 | 71 09 | −0 07 | −0.5 | −0.1 | −0 07 | +0.7 | +0.9 | 12.1 | 18.1 | |
| | ILE D'ORLEANS | | | | | | | | | | | | |
| 3100 | SAINT-FRANÇOIS | +5 | 47 00 | 70 49 | −0 56 | +2.1 | +3.0 | −0 55 | +0.5 | −0.4 | 14.9 | 22.5 | 9.9 |
| 3105 | SAINT-JEAN | +5 | 46 55 | 70 54 | −0 35 | +1.0 | +1.6 | −0 50 | −0.3 | −0.2 | 14.6 | 20.9 | 8.9 |
| 3110 | SAINT-LAURENT | +5 | 46 52 | 71 00 | −0 11 | +0.7 | +0.5 | −0 18 | −0.2 | +0.2 | 15.3 | 19.8 | 8.2 |
| | | | | | | on *sur* POINTE-AU-PERE, pages 6-9 | | | | | | | |
| | CHENAL DU SUD | | | | | | | | | | | | |
| 3120 | ILE VERTE | +5 | 48 03 | 69 25 | +0 35 | | | +0 39 | | | | | |
| 3130 | RIVIERE-DU-LOUP | +5 | 47 51 | 69 34 | +0 50 | +2.1 | +2.6 | +0 50 | +0.4 | 0.0 | 12.3 | 17.9 | 8.7 |

**TABLE 3 Cont'd/*Suite***
**INFORMATION AND TIDAL DIFFERENCES**
***RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES***

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION LAT. N. | POSITION LONG. W. / LONG. O. | DIFFERENCES HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | DIFFERENCES LOWER LOW WATER / BASSE MER INFÉRIEURE TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | RANGE / MARNAGE MEAN TIDE / MARÉE MOYENNE | RANGE / MARNAGE LARGE TIDE / GRANDE MARÉE | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ° ′ | ° ′ | h. m. | ft./pi. | ft./pi. | h. m. | ft./pi. | ft./pi. | ft./pi. | ft./pi. | ft./pi. |
| | **AREA 2 / *RÉGION 2*** **ST. LAWRENCE RIVER BELOW QUÉBEC / *FLEUVE ST. LAURENT EN AVAL DE QUÉBEC*** ***Cont'd/Suite*** | | | | | | | | | | | | |
| | | | | | on/*sur* POINTE-AU-PERE, pages 6-9 | | | | | | | | |
| | CHENAL DU SUD | | | | | | | | | | | | |
| 3135 | ILES DU POT A L'EAU-DE-VIE | +5 | 47 52 | 69 41 | +0 46 | | | +0 49 | | | | | |
| 3140 | ILE AUX LIEVRES | +5 | 47 48 | 69 45 | +1 04 | +2.8 | +3.2 | +1 02 | +0.6 | −0.3 | 12.2 | 18.7 | 9.2 |
| 3160 | POINTE-AUX-ORIGNAUX | +5 | 47 29 | 70 02 | +1 36 | +3.9 | +4.5 | +1 49 | +0.1 | −0.6 | 13.8 | 20.3 | |
| | | | | | on/*sur* QUEBEC, pages 10-13 | | | | | | | | |
| 3170 | * SAINT-JEAN-PORT-JOLI | +5 | 47 13 | 70 16 | −1 31 | +0.8 | +0.8 | −2 40 | −1.0* | 0.0* | 14.5 | 18.8 | |
| 3175 | * L'ISLET-SUR-MER | +5 | 47 08 | 70 22 | −1 17 | +0.9 | +1.6 | −2 05 | −1.6* | −0.6* | 15.2 | 20.2 | |
| 3180 | * ILE AUX GRUES | +5 | 47 03 | 70 32 | −1 08 | +1.6 | +2.5 | −1 35 | −1.7* | −0.5* | 16.0 | 21.0 | |
| 3185 | * CHENAL DE BEAUJEU | +5 | 47 05 | 70 29 | −1 10 | +1.3 | +2.1 | −1 43 | −1.7* | −0.5* | 15.7 | 20.6 | |
| 3190 | GROSSE-ILE | +5 | 47 01 | 70 40 | −0 57 | +1.8 | +2.2 | −1 19 | −0.9 | +0.6 | 16.0 | 20.6 | |
| 3200 | BERTHIER-SUR-MER | +5 | 46 56 | 70 44 | −0 56 | +1.3 | +1.3 | −1 12 | +0.9 | +1.1 | 14.8 | 19.6 | 8.6 |
| | **AREA 3 / *RÉGION 3*** **ST. LAWRENCE RIVER ABOVE QUÉBEC / *FLEUVE ST. LAURENT EN AMONT DE QUÉBEC*** | | | | | | | | | | | | |
| 3246 | ESTUAIRE SAINT-CHARLES | +5 | 46 49 | 71 12 | +0 01 | −0.3 | −0.1 | 0 00 | +0.1 | 0.0 | 14.0 | 19.4 | 8.3 |
| 3251 | IMMIGRATION WHARF | +5 | 46 48 | 71 14 | +0 18 | −0.1 | −0.7 | +0 12 | +0.5 | +0.7 | 13.8 | 18.1 | 8.2 |
| 3264 | QUAI IRVING | +5 | 46 45 | 71 16 | +0 27 | −1.1 | −1.8 | +0 15 | +0.1 | +0.4 | 13.3 | 17.3 | 8.0 |
| 3270 | SAINT-NICOLAS | +5 | 46 43 | 71 23 | +0 35 | −0.1 | −0.5 | +0 32 | | | | | |
| | | | | | on/*sur* GRONDINES, pages 14-17 | | | | | | | | |
| 3275 | HAUT-FOND SAINT-AUGUSTIN | +5 | 46 43 | 71 28 | −1 20 | | | −2 25 | | | | | |
| 3280 | NEUVILLE | +5 | 46 42 | 71 34 | −1 43 | +3.9 | +5.0 | −1 39 | | | | 15.5 | |
| 3285 | SAINTE-CROIX | +5 | 46 38 | 71 44 | −0 45 | | | −1 20 | | | | | |
| 3295 | POINTE-AU-PLATON | +5 | 46 40 | 71 51 | −0 30 | +4.5 | +4.0 | −1 10 | | | | | |
| 3300 | PORTNEUF | +5 | 46 41 | 71 53 | −1 03 | +3.5 | +4.1 | −1 01 | | | | 14.0 | |
| 3310 | LOTBINIERE | +5 | 46 37 | 71 56 | −0 05 | | | −0 25 | | | | | |

* Lower low water height differences to be applied to Pointe-au-Père predictions.

* Differences de basse mer inférieure à appliquer aux prédictions à Pointe-au-Père.

TABLE 3 Cont'd/*Suite*

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* LAT. N. / *LAT. N.* | POSITION LONG. W. / *LONG. O.* | DIFFERENCES *DIFFÉRENCES* — HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* — TIME / *HEURE* | HIGHER HIGH WATER — MEAN TIDE / *MARÉE MOYENNE* | HIGHER HIGH WATER — LARGE TIDE / *GRANDE MARÉE* | LOWER LOW WATER / *BASSE MER INFÉRIEURE* — TIME / *HEURE* | LOWER LOW WATER — MEAN TIDE / *MARÉE MOYENNE* | LOWER LOW WATER — LARGE TIDE / *GRANDE MARÉE* | RANGE / *MARNAGE* — MEAN TIDE / *MARÉE MOYENNE* | RANGE — LARGE TIDE / *GRANDE MARÉE* | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ° ′ | ° ′ | h. m. | ft. pi. | ft. pi. | h. m. | ft. pi. | ft. pi. | ft. pi. | ft. pi. | ft. pi. |
| | **AREA 3 / *RÉGION 3*** **ST. LAWRENCE RIVER ABOVE QUÉBEC** ***FLEUVE ST. LAURENT EN AMONT DE QUÉBEC*** Cont'd/*Suite* | | | | | | | | | | | | |
| | | | | | | | on *sur* GRONDINES, pages 14-17 | | | | | | |
| 3312 | BARRE A BOULARD | +5 | 46 38 | 71 56 | −0 10 | | | −0 40 | | | | | |
| 3335 | CAP A LA ROCHE | +5 | 46 34 | 72 06 | +0 06 | −1.3 | | +0 05 | | | | 7.1 | |
| 3337 | BRICKYARD | +5 | 46 33 | 72 09 | +0 46 | −2.0 | −2.6 | +0 53 | | | | 6.4 | |
| 3345 | BATISCAN | +5 | 46 30 | 72 15 | +1 16 | −4.3 | −4.9 | +1 09 | | | | 3.7 | |
| 3350 | CHAMPLAIN | +5 | 46 26 | 72 21 | +1 55 | | | +2 10 | | | | | |
| 3360 | TROIS-RIVIERES | +5 | 46 20 | 72 33 | +3 34 | −6.3 | −7.3 | +2 39 | | | | 0.9 | |
| | **AREA 4 / *RÉGION 4*** ***RIVIÈRE SAGUENAY*** | | | | | | on *sur* POINTE-AU-PERE, pages 6-9 | | | | | | |
| 3425 | TADOUSSAC | +5 | 48 08 | 69 43 | +0 37 | +1.3 | +1.9 | +0 33 | −0.5 | −0.8 | 11.8 | 17.9 | 7.9 |
| | | | | | | | on *sur* PORT-ALFRED, pages 18-21 | | | | | | |
| 3440 | L'ANSE-SAINT-JEAN | +5 | 48 15 | 70 11 | 0 00 | +1.3 | +1.3 | 0 00 | +1.5 | +2.2 | 13.8 | 21.4 | |
| | | | | | | | on *sur* CHICOUTIMI, pages 22-25 | | | | | | |
| 3465 | SMITH POINT | +5 | 48 25 | 70 53 | | | | −1 28 | | | | | |
| | | | | | | | on *sur* POINTE-AU-PERE, pages 6-9 | | | | | | |
| 3470 | SAINT-FULGENCE | +5 | 48 27 | 70 54 | +0 45 | +4.4 | +7.0 | +0 46 | −0.7 | −1.2 | 15.1 | 23.4 | |
| | | | | | | | on *sur* CHICOUTIMI, pages 22-25 | | | | | | |
| 3475 | POINTE A GONIE | +5 | 48 26 | 70 57 | −0 16 | | | −1 00 | | | | | |
| 3478 | RIVIERE AU CARIBOU | +5 | 48 27 | 71 01 | −0 25 | | | −0 25 | | | | | |

**ADDITIONAL INFORMATION (SEE CANADIAN NOTICES TO MARINERS, WEEKLY EDITION NO. 46)**

***RENSEIGNEMENTS SUPPLÉMENTAIRES (VOIR AVIS CANADIENS AUX NAVIGATEURS, ÉDITION HEBDOMADAIRE NO. 46.)***

# Daily Tables Tables quotidiennes

1989

## JANUARY JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0130 | 2.7 | 8 | 16 | 0200 | 2.0 | 6 |
| | 0800 | 7.1 | 22 | | 0845 | 8.4 | 26 |
| SU | 1435 | 3.0 | 9 | MO | 1530 | 2.5 | 8 |
| DI | 2020 | 5.9 | 18 | LU | 2110 | 5.8 | 18 |
| 2 | 0220 | 2.8 | 9 | 17 | 0305 | 2.3 | 7 |
| | 0900 | 7.4 | 23 | | 0955 | 8.6 | 26 |
| MO | 1545 | 2.9 | 9 | TU | 1650 | 2.4 | 7 |
| LU | 2125 | 5.7 | 17 | MA | 2235 | 5.6 | 17 |
| 3 | 0315 | 2.8 | 9 | 18 | 0410 | 2.4 | 7 |
| | 1000 | 7.8 | 24 | | 1105 | 8.9 | 27 |
| TU | 1650 | 2.7 | 8 | WE | 1755 | 2.1 | 6 |
| MA | 2230 | 5.6 | 17 | ME | 2345 | 5.8 | 18 |
| 4 | 0410 | 2.7 | 8 | 19 | 0515 | 2.2 | 7 |
| | 1055 | 8.3 | 25 | | 1200 | 9.3 | 28 |
| WE | 1745 | 2.4 | 7 | TH | 1850 | 1.8 | 5 |
| ME | 2330 | 5.8 | 18 | JE | | | |
| 5 | 0505 | 2.4 | 7 | 20 | 0640 | 6.2 | 19 |
| | 1150 | 8.8 | 27 | | 0610 | 1.9 | 6 |
| TH | 1835 | 2.0 | 6 | FR | 1250 | 9.6 | 29 |
| JE | | | | VE | 1935 | 1.5 | 5 |
| 6 | 0620 | 6.1 | 19 | 21 | 0125 | 6.5 | 20 |
| | 0555 | 2.0 | 6 | | 0700 | 1.7 | 5 |
| FR | 1235 | 9.4 | 29 | SA | 1335 | 9.8 | 30 |
| VE | 1920 | 1.6 | 5 | SA | 2015 | 1.3 | 4 |
| 7 | 0110 | 6.4 | 20 | 22 | 0205 | 6.8 | 21 |
| | 0645 | 1.6 | 5 | | 0745 | 1.4 | 4 |
| SA | 1320 | 9.9 | 30 | SU | 1415 | 9.8 | 30 |
| SA | 2000 | 1.1 | 3 | DI | 2050 | 1.1 | 3 |
| 8 | 0150 | 6.7 | 20 | 23 | 0240 | 7.0 | 21 |
| | 0730 | 1.2 | 4 | | 0825 | 1.3 | 4 |
| SU | 1405 | 10.3 | 31 | MO | 1450 | 9.7 | 30 |
| DI | 2045 | .7 | 2 | LU | 2125 | 1.1 | 3 |
| 9 | 0235 | 7.1 | 22 | 24 | 0315 | 7.1 | 22 |
| | 0815 | .9 | 3 | | 0905 | 1.3 | 4 |
| MO | 1445 | 10.5 | 32 | TU | 1525 | 9.3 | 28 |
| LU | 2125 | .4 | 1 | MA | 2155 | 1.2 | 4 |
| 10 | 0320 | 7.4 | 23 | 25 | 0350 | 7.2 | 22 |
| | 0905 | .8 | 2 | | 0940 | 1.3 | 4 |
| TU | 1530 | 10.4 | 32 | WE | 1600 | 8.8 | 27 |
| MA | 2205 | .2 | 1 | ME | 2220 | 1.4 | 4 |
| 11 | 0405 | 7.7 | 23 | 26 | 0420 | 7.3 | 22 |
| | 0955 | .8 | 2 | | 1020 | 1.5 | 5 |
| WE | 1615 | 9.9 | 30 | TH | 1630 | 8.1 | 25 |
| ME | 2245 | .3 | 1 | JE | 2250 | 1.6 | 5 |
| 12 | 0450 | 7.9 | 24 | 27 | 0455 | 7.3 | 22 |
| | 1045 | 1.1 | 3 | | 1100 | 1.8 | 5 |
| TH | 1700 | 9.1 | 28 | FR | 1705 | 7.4 | 23 |
| JE | 2325 | .6 | 2 | VE | 2315 | 1.8 | 5 |
| 13 | 0540 | 8.1 | 25 | 28 | 0530 | 7.4 | 23 |
| | 1145 | 1.5 | 5 | | 1140 | 2.2 | 7 |
| FR | 1750 | 8.2 | 25 | SA | 1740 | 6.7 | 20 |
| VE | | | | SA | 2345 | 2.1 | 6 |
| 14 | 0010 | 1.0 | 3 | 29 | 0610 | 7.4 | 23 |
| | 0635 | 8.2 | 25 | | 1230 | 2.6 | 8 |
| SA | 1250 | 2.0 | 6 | SU | 1820 | 6.1 | 19 |
| SA | 1845 | 7.2 | 22 | DI | | | |
| 15 | 0100 | 1.5 | 5 | 30 | 0020 | 2.4 | 7 |
| | 0735 | 8.2 | 25 | | 0700 | 7.4 | 23 |
| SU | 1410 | 2.4 | 7 | MO | 1335 | 3.0 | 9 |
| DI | 1955 | 6.3 | 19 | LU | 1910 | 5.5 | 17 |
| | | | | 31 | 0105 | 2.6 | 8 |
| | | | | | 0800 | 7.4 | 23 |
| | | | | TU | 1455 | 3.2 | 10 |
| | | | | MA | 2020 | 5.2 | 16 |

## FEBRUARY FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0210 | 2.8 | 9 | 16 | 0400 | 2.7 | 8 |
| | 0915 | 7.6 | 23 | | 1055 | 8.4 | 26 |
| WE | 1615 | 3.1 | 9 | TH | 1750 | 2.3 | 7 |
| ME | 2150 | 5.1 | 16 | JE | 2340 | 5.7 | 17 |
| 2 | 0325 | 2.8 | 9 | 17 | 0510 | 2.5 | 8 |
| | 1025 | 8.0 | 24 | | 1155 | 8.8 | 27 |
| TH | 1725 | 2.7 | 8 | FR | 1840 | 2.0 | 6 |
| JE | 2305 | 5.4 | 16 | VE | | | |
| 3 | 0435 | 2.5 | 8 | 18 | 0030 | 6.2 | 19 |
| | 1130 | 8.7 | 27 | | 0605 | 2.1 | 6 |
| FR | 1820 | 2.1 | 6 | SA | 1240 | 9.1 | 28 |
| VE | | | | SA | 1920 | 1.6 | 5 |
| 4 | 0005 | 5.9 | 18 | 19 | 0110 | 6.6 | 20 |
| | 0535 | 2.0 | 6 | | 0650 | 1.7 | 5 |
| SA | 1220 | 9.4 | 29 | SU | 1320 | 9.3 | 28 |
| SA | 1900 | 1.4 | 4 | DI | 1950 | 1.3 | 4 |
| 5 | 0050 | 6.4 | 20 | 20 | 0145 | 7.0 | 21 |
| | 0630 | 1.4 | 4 | | 0730 | 1.3 | 4 |
| SU | 1305 | 10.0 | 30 | MO | 1355 | 9.3 | 28 |
| DI | 1940 | .7 | 2 | LU | 2020 | 1.1 | 3 |
| 6 | 0135 | 7.1 | 22 | 21 | 0215 | 7.4 | 23 |
| | 0715 | .8 | 2 | | 0810 | 1.0 | 3 |
| MO | 1345 | 10.4 | 32 | TU | 1430 | 9.1 | 28 |
| LU | 2020 | .1 | 0 | MA | 2050 | 1.0 | 3 |
| 7 | 0215 | 7.7 | 23 | 22 | 0245 | 7.7 | 23 |
| | 0805 | .3 | 1 | | 0845 | .8 | 2 |
| TU | 1430 | 10.5 | 32 | WE | 1500 | 8.8 | 27 |
| MA | 2055 | −.2 | −1 | ME | 2115 | 1.0 | 3 |
| 8 | 0255 | 8.3 | 25 | 23 | 0315 | 7.9 | 24 |
| | 0855 | .0 | 0 | | 0920 | .8 | 2 |
| WE | 1510 | 10.2 | 31 | TH | 1530 | 8.2 | 25 |
| ME | 2135 | −.4 | −1 | JE | 2135 | 1.2 | 4 |
| 9 | 0340 | 8.7 | 27 | 24 | 0345 | 8.0 | 24 |
| | 0940 | .1 | 0 | | 0955 | 1.0 | 3 |
| TH | 1555 | 9.5 | 29 | FR | 1600 | 7.6 | 23 |
| JE | 2210 | −.2 | −1 | VE | 2200 | 1.4 | 4 |
| 10 | 0425 | 9.0 | 27 | 25 | 0415 | 8.1 | 25 |
| | 1035 | .4 | 1 | | 1030 | 1.3 | 4 |
| FR | 1640 | 8.6 | 26 | SA | 1630 | 7.0 | 21 |
| VE | 2250 | .3 | 1 | SA | 2225 | 1.6 | 5 |
| 11 | 0510 | 9.0 | 27 | 26 | 0445 | 8.0 | 24 |
| | 1130 | 1.0 | 3 | | 1110 | 1.6 | 5 |
| SA | 1730 | 7.5 | 23 | SU | 1700 | 6.4 | 20 |
| SA | 2335 | .9 | 3 | DI | 2255 | 1.9 | 6 |
| 12 | 0605 | 8.8 | 27 | 27 | 0525 | 7.8 | 24 |
| | 1235 | 1.7 | 5 | | 1150 | 2.4 | 7 |
| SU | 1820 | 6.5 | 20 | MO | 1735 | 5.9 | 18 |
| DI | | | | LU | 2330 | 2.2 | 7 |
| 13 | 0020 | 1.6 | 5 | 28 | 0610 | 7.6 | 23 |
| | 0705 | 8.5 | 26 | | 1250 | 2.9 | 9 |
| MO | 1350 | 2.4 | 7 | TU | 1825 | 5.4 | 16 |
| LU | 1930 | 5.6 | 17 | MA | | | |
| 14 | 0120 | 2.2 | 7 | | | | |
| | 0820 | 8.2 | 25 | | | | |
| TU | 1520 | 2.7 | 8 | | | | |
| MA | 2100 | 5.2 | 15 | | | | |
| 15 | 0235 | 2.6 | 8 | | | | |
| | 0940 | 8.2 | 25 | | | | |
| WE | 1645 | 2.6 | 8 | | | | |
| ME | 2230 | 5.3 | 16 | | | | |

## MARCH MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0015 | 2.6 | 8 | 16 | 0220 | 3.0 | 9 |
| | 0715 | 7.4 | 23 | | 0925 | 7.8 | 24 |
| WE | 1415 | 3.3 | 10 | TH | 1630 | 2.8 | 9 |
| ME | 1935 | 5.0 | 15 | JE | 2220 | 5.5 | 17 |
| 2 | 0125 | 3.0 | 9 | 17 | 0350 | 3.0 | 9 |
| | 0835 | 7.4 | 23 | | 1040 | 8.0 | 24 |
| TH | 1550 | 3.1 | 9 | FR | 1730 | 2.5 | 8 |
| JE | 2120 | 5.0 | 15 | VE | 2325 | 6.0 | 18 |
| 3 | 0255 | 3.0 | 9 | 18 | 0500 | 2.7 | 8 |
| | 1000 | 7.9 | 24 | | 1135 | 8.2 | 25 |
| FR | 1700 | 2.6 | 8 | SA | 1810 | 2.1 | 6 |
| VE | 2245 | 5.4 | 16 | SA | | | |
| 4 | 0415 | 2.6 | 8 | 19 | 0010 | 6.5 | 20 |
| | 1100 | 8.5 | 26 | | 0555 | 2.2 | 7 |
| SA | 1750 | 1.8 | 5 | SU | 1220 | 8.4 | 26 |
| SA | 2345 | 6.1 | 19 | DI | 1845 | 1.8 | 5 |
| 5 | 0520 | 1.9 | 6 | 20 | 0045 | 7.0 | 21 |
| | 1155 | 9.2 | 28 | | 0635 | 1.7 | 5 |
| SU | 1830 | 1.1 | 3 | MO | 1255 | 8.6 | 26 |
| DI | | | | LU | 1915 | 1.5 | 5 |
| 6 | 0030 | 7.0 | 21 | 21 | 0115 | 7.5 | 23 |
| | 0615 | 1.2 | 4 | | 0715 | 1.2 | 4 |
| MO | 1240 | 9.8 | 30 | TU | 1330 | 8.6 | 26 |
| LU | 1910 | .4 | 1 | MA | 1940 | 1.3 | 4 |
| 7 | 0110 | 7.8 | 24 | 22 | 0145 | 8.0 | 24 |
| | 0705 | .4 | 1 | | 0750 | .8 | 2 |
| TU | 1325 | 10.0 | 30 | WE | 1400 | 8.4 | 26 |
| MA | 1945 | −.1 | 0 | ME | 2005 | 1.2 | 4 |
| 8 | 0150 | 8.7 | 27 | 23 | 0210 | 8.3 | 25 |
| | 0750 | −.2 | −1 | | 0825 | .5 | 2 |
| WE | 1405 | 9.9 | 30 | TH | 1430 | 8.1 | 25 |
| ME | 2020 | −.4 | −1 | JE | 2030 | 1.2 | 4 |
| 9 | 0230 | 9.4 | 29 | 24 | 0240 | 8.6 | 26 |
| | 0840 | −.5 | −2 | | 0855 | .5 | 2 |
| TH | 1450 | 9.5 | 29 | FR | 1500 | 7.8 | 23 |
| JE | 2100 | −.4 | −1 | VE | 2055 | 1.3 | 4 |
| 10 | 0315 | 9.8 | 30 | 25 | 0305 | 8.7 | 27 |
| | 0930 | −.4 | −1 | | 0930 | .7 | 2 |
| FR | 1535 | 8.7 | 27 | SA | 1530 | 7.2 | 22 |
| VE | 2135 | −.1 | 0 | SA | 2120 | 1.4 | 4 |
| 11 | 0355 | 9.9 | 30 | 26 | 0335 | 8.7 | 27 |
| | 1020 | .0 | 0 | | 1005 | 1.1 | 3 |
| SA | 1620 | 7.9 | 24 | SU | 1600 | 6.7 | 20 |
| SA | 2215 | .4 | 1 | DI | 2145 | 1.6 | 5 |
| 12 | 0445 | 9.7 | 30 | 27 | 0410 | 8.5 | 26 |
| | 1115 | .8 | 2 | | 1040 | 1.7 | 5 |
| SU | 1710 | 6.9 | 21 | MO | 1630 | 6.3 | 19 |
| DI | 2300 | 1.1 | 3 | LU | 2215 | 2.0 | 6 |
| 13 | 0535 | 9.1 | 28 | 28 | 0450 | 8.2 | 25 |
| | 1220 | 1.7 | 5 | | 1125 | 2.3 | 7 |
| MO | 1805 | 6.1 | 19 | TU | 1710 | 5.8 | 18 |
| LU | 2350 | 1.9 | 6 | MA | 2255 | 2.4 | 7 |
| 14 | 0640 | 8.5 | 26 | 29 | 0540 | 7.8 | 24 |
| | 1335 | 2.5 | 8 | | 1225 | 2.8 | 9 |
| TU | 1915 | 5.5 | 17 | WE | 1800 | 5.4 | 16 |
| MA | | | | ME | 2345 | 2.8 | 9 |
| 15 | 0055 | 2.6 | 8 | 30 | 0640 | 7.6 | 23 |
| | 0755 | 8.0 | 24 | | 1345 | 3.1 | 9 |
| WE | 1505 | 2.8 | 9 | TH | 1920 | 5.2 | 16 |
| ME | 2050 | 5.2 | 16 | JE | | | |
| | | | | 31 | 0105 | 3.1 | 9 |
| | | | | | 0805 | 7.6 | 23 |
| | | | | FR | 1515 | 2.9 | 9 |
| | | | | VE | 2105 | 5.3 | 16 |

## TABLE DES MAREES

# SEPT-ILES (HNE 2·5)

1989

### APRIL-AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0235 | **3.1** | 9 | 16 | 0440 | **2.8** | 9 |
| | 0925 | **7.9** | 24 | | 1100 | **7.6** | 23 |
| SA | 1620 | **2.3** | 7 | SU | 1725 | **2.4** | 7 |
| SA | 2220 | **6.0** | 18 | DI | 2330 | **6.9** | 21 |
| 2 | 0400 | **2.6** | 8 | 17 | 0530 | **2.3** | 7 |
| | 1030 | **8.4** | 26 | | 1145 | **7.8** | 24 |
| SU | 1710 | **1.6** | 5 | MO | 1800 | **2.1** | 6 |
| DI | 2315 | **6.8** | 21 | LU | | | |
| 3 | 0505 | **1.9** | 6 | 18 | 0005 | **7.5** | 23 |
| | 1125 | **8.8** | 27 | | 0615 | **1.7** | 5 |
| MO | 1750 | **1.0** | 3 | TU | 1225 | **7.8** | 24 |
| LU | | | | MA | 1830 | **1.9** | 6 |
| 4 | 0000 | **7.8** | 24 | 19 | 0035 | **8.0** | 24 |
| | 0600 | **1.0** | 3 | | 0650 | **1.2** | 4 |
| TU | 1215 | **9.1** | 28 | WE | 1300 | **7.8** | 24 |
| MA | 1830 | **.5** | 2 | ME | 1855 | **1.7** | 5 |
| 5 | 0040 | **8.8** | 27 | 20 | 0105 | **8.5** | 26 |
| | 0650 | **.2** | 1 | | 0730 | **.8** | 2 |
| WE | 1300 | **9.2** | 28 | TH | 1335 | **7.7** | 23 |
| ME | 1910 | **.1** | 0 | JE | 1925 | **1.6** | 5 |
| 6 | 0120 | **9.7** | 30 | 21 | 0135 | **8.9** | 27 |
| | 0740 | **−.4** | −1 | | 0800 | **.6** | 2 |
| TH | 1345 | **9.0** | 27 | FR | 1405 | **7.5** | 23 |
| JE | 1945 | **−.1** | 0 | VE | 1950 | **1.6** | 5 |
| 7 | 0205 | **10.3** | 31 | 22 | 0205 | **9.1** | 28 |
| | 0830 | **−.6** | −2 | | 0835 | **.7** | 2 |
| FR | 1430 | **8.6** | 26 | SA | 1435 | **7.2** | 22 |
| VE | 2025 | **.0** | 0 | SA | 2015 | **1.6** | 5 |
| 8 | 0245 | **10.6** | 32 | 23 | 0235 | **9.2** | 28 |
| | 0915 | **−.4** | −1 | | 0910 | **.9** | 3 |
| SA | 1520 | **8.0** | 24 | SU | 1505 | **6.9** | 21 |
| SA | 2110 | **.3** | 1 | DI | 2045 | **1.7** | 5 |
| 9 | 0335 | **10.5** | 32 | 24 | 0310 | **9.1** | 28 |
| | 1005 | **.1** | 0 | | 0945 | **1.3** | 4 |
| SU | 1605 | **7.4** | 23 | MO | 1540 | **6.6** | 20 |
| DI | 2150 | **.8** | 2 | LU | 2120 | **1.8** | 5 |
| 10 | 0420 | **10.0** | 30 | 25 | 0350 | **8.9** | 27 |
| | 1100 | **.9** | 3 | | 1025 | **1.8** | 5 |
| MO | 1655 | **6.7** | 20 | TU | 1615 | **6.3** | 19 |
| LU | 2240 | **1.5** | 5 | MA | 2155 | **2.1** | 6 |
| 11 | 0515 | **9.3** | 28 | 26 | 0430 | **8.6** | 26 |
| | 1200 | **1.8** | 5 | | 1110 | **2.2** | 7 |
| TU | 1750 | **6.1** | 19 | WE | 1700 | **6.0** | 18 |
| MA | 2330 | **2.2** | 7 | ME | 2240 | **2.5** | 8 |
| 12 | 0615 | **8.5** | 26 | 27 | 0520 | **8.3** | 25 |
| | 1315 | **2.6** | 8 | | 1210 | **2.6** | 8 |
| WE | 1900 | **5.7** | 17 | TH | 1800 | **5.8** | 18 |
| ME | | | | JE | 2340 | **2.9** | 9 |
| 13 | 0040 | **2.9** | 9 | 28 | 0620 | **8.0** | 24 |
| | 0730 | **7.9** | 24 | | 1320 | **2.6** | 8 |
| TH | 1435 | **2.9** | 9 | FR | 1915 | **5.8** | 18 |
| JE | 2025 | **5.6** | 17 | VE | | | |
| 14 | 0205 | **3.2** | 10 | 29 | 0055 | **3.1** | 9 |
| | 0855 | **7.6** | 23 | | 0735 | **7.9** | 24 |
| FR | 1550 | **2.9** | 9 | SA | 1430 | **2.4** | 7 |
| VE | 2150 | **5.9** | 18 | SA | 2040 | **6.1** | 19 |
| 15 | 0330 | **3.2** | 10 | 30 | 0220 | **3.0** | 9 |
| | 1005 | **7.5** | 23 | | 0850 | **7.9** | 24 |
| SA | 1645 | **2.7** | 8 | SU | 1535 | **2.1** | 6 |
| SA | 2250 | **6.4** | 20 | DI | 2145 | **6.8** | 21 |

### MAY-MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0340 | **2.6** | 8 | 16 | 0455 | **2.5** | 8 |
| | 0955 | **8.0** | 24 | | 1105 | **7.0** | 21 |
| MO | 1625 | **1.7** | 5 | TU | 1705 | **2.6** | 8 |
| LU | 2240 | **7.7** | 23 | MA | 2315 | **7.8** | 24 |
| 2 | 0445 | **1.9** | 6 | 17 | 0545 | **2.0** | 6 |
| | 1055 | **8.2** | 25 | | 1145 | **7.0** | 21 |
| TU | 1710 | **1.3** | 4 | WE | 1735 | **2.4** | 7 |
| MA | 2325 | **6.6** | 26 | ME | 2355 | **8.4** | 26 |
| 3 | 0545 | **1.1** | 3 | 18 | 0625 | **1.6** | 5 |
| | 1150 | **8.2** | 25 | | 1225 | **7.0** | 21 |
| WE | 1750 | **1.0** | 3 | TH | 1810 | **2.2** | 7 |
| ME | | | | JE | | | |
| 4 | 0010 | **9.6** | 29 | 19 | 0030 | **8.9** | 27 |
| | 0635 | **.4** | 1 | | 0705 | **1.3** | 4 |
| TH | 1240 | **8.2** | 25 | FR | 1305 | **7.0** | 21 |
| JE | 1835 | **.7** | 2 | VE | 1845 | **2.1** | 6 |
| 5 | 0055 | **10.3** | 31 | 20 | 0105 | **9.2** | 28 |
| | 0725 | **−.1** | 0 | | 0740 | **1.2** | 4 |
| FR | 1330 | **8.1** | 25 | SA | 1340 | **7.0** | 21 |
| VE | 1920 | **.6** | 2 | SA | 1915 | **1.9** | 6 |
| 6 | 0140 | **10.8** | 33 | 21 | 0140 | **9.4** | 29 |
| | 0815 | **−.2** | −1 | | 0815 | **1.2** | 4 |
| SA | 1415 | **7.9** | 24 | SU | 1415 | **6.9** | 21 |
| SA | 2000 | **.6** | 2 | DI | 1950 | **1.8** | 5 |
| 7 | 0230 | **10.9** | 33 | 22 | 0220 | **9.5** | 29 |
| | 0905 | **.1** | 0 | | 0855 | **1.4** | 4 |
| SU | 1505 | **7.6** | 23 | MO | 1450 | **6.9** | 21 |
| DI | 2045 | **.8** | 2 | LU | 2025 | **1.8** | 5 |
| 8 | 0315 | **10.6** | 32 | 23 | 0255 | **9.5** | 29 |
| | 0955 | **.6** | 2 | | 0935 | **1.6** | 5 |
| MO | 1550 | **7.2** | 22 | TU | 1525 | **6.8** | 21 |
| LU | 2135 | **1.2** | 4 | MA | 2105 | **1.9** | 6 |
| 9 | 0405 | **10.1** | 31 | 24 | 0335 | **9.4** | 29 |
| | 1045 | **1.3** | 4 | | 1015 | **1.7** | 5 |
| TU | 1640 | **6.8** | 21 | WE | 1605 | **6.6** | 20 |
| MA | 2220 | **1.8** | 5 | ME | 2150 | **2.1** | 6 |
| 10 | 0500 | **9.4** | 29 | 25 | 0420 | **9.2** | 28 |
| | 1140 | **2.0** | 6 | | 1105 | **1.9** | 6 |
| WE | 1730 | **6.4** | 20 | TH | 1655 | **6.5** | 20 |
| ME | 2315 | **2.4** | 7 | JE | 2235 | **2.3** | 7 |
| 11 | 0555 | **8.6** | 26 | 26 | 0510 | **8.9** | 27 |
| | 1245 | **2.6** | 8 | | 1155 | **2.0** | 6 |
| TH | 1835 | **6.2** | 19 | FR | 1750 | **6.5** | 20 |
| | | | | VE | 2335 | **2.6** | 8 |
| 12 | 0020 | **3.0** | 9 | 27 | 0600 | **8.6** | 26 |
| | 0655 | **7.9** | 24 | | 1250 | **2.0** | 6 |
| FR | 1350 | **2.9** | 9 | SA | 1855 | **6.6** | 20 |
| VE | 1945 | **6.1** | 19 | SA | | | |
| 13 | 0135 | **3.3** | 10 | 28 | 0040 | **2.9** | 9 |
| | 0805 | **7.4** | 23 | | 0705 | **8.2** | 25 |
| SA | 1450 | **3.0** | 9 | SU | 1345 | **2.0** | 6 |
| SA | 2100 | **6.3** | 19 | DI | 2000 | **7.0** | 21 |
| 14 | 0255 | **3.3** | 10 | 29 | 0200 | **2.9** | 9 |
| | 0915 | **7.2** | 22 | | 0810 | **7.8** | 24 |
| SU | 1545 | **2.9** | 9 | MO | 1445 | **1.9** | 6 |
| DI | 2155 | **6.7** | 20 | LU | 2105 | **7.6** | 23 |
| 15 | 0400 | **3.0** | 9 | 30 | 0315 | **2.6** | 8 |
| | 1010 | **7.0** | 21 | | 0920 | **7.5** | 23 |
| MO | 1625 | **2.8** | 9 | TU | 1535 | **1.9** | 6 |
| LU | 2240 | **7.3** | 22 | MA | 2205 | **8.4** | 26 |
| | | | | 31 | 0430 | **2.1** | 6 |
| | | | | | 1025 | **7.3** | 22 |
| | | | | WE | 1630 | **1.7** | 5 |
| | | | | ME | 2255 | **9.2** | 28 |

### JUNE-JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0530 | **1.5** | 5 | 16 | 0600 | **2.2** | 7 |
| | 1130 | **7.3** | 22 | | 1150 | **6.4** | 20 |
| TH | 1720 | **1.6** | 5 | FR | 1725 | **2.6** | 8 |
| JE | 2350 | **9.9** | 30 | VE | | | |
| 2 | 0625 | **1.0** | 3 | 17 | 0000 | **8.9** | 27 |
| | 1225 | **7.3** | 22 | | 0645 | **2.0** | 6 |
| FR | 1810 | **1.4** | 4 | SA | 1235 | **6.5** | 20 |
| VE | | | | SA | 1810 | **2.4** | 7 |
| 3 | 0040 | **10.5** | 32 | 18 | 0045 | **9.3** | 28 |
| | 0720 | **.7** | 2 | | 0725 | **1.8** | 5 |
| SA | 1315 | **7.4** | 23 | SU | 1315 | **6.6** | 20 |
| SA | 1855 | **1.2** | 4 | DI | 1850 | **2.1** | 6 |
| 4 | 0130 | **10.8** | 33 | 19 | 0125 | **9.7** | 30 |
| | 0810 | **.6** | 2 | | 0805 | **1.7** | 5 |
| SU | 1405 | **7.4** | 23 | MO | 1355 | **6.8** | 21 |
| DI | 1945 | **1.1** | 3 | LU | 1930 | **1.8** | 5 |
| 5 | 0220 | **10.9** | 33 | 20 | 0205 | **9.9** | 30 |
| | 0855 | **.8** | 2 | | 0845 | **1.5** | 5 |
| MO | 1450 | **7.4** | 23 | TU | 1435 | **6.9** | 21 |
| LU | 2030 | **1.2** | 4 | MA | 2010 | **1.6** | 5 |
| 6 | 0305 | **10.6** | 32 | 21 | 0245 | **10.1** | 31 |
| | 0945 | **1.1** | 3 | | 0925 | **1.4** | 4 |
| TU | 1535 | **7.3** | 22 | WE | 1515 | **7.1** | 22 |
| MA | 2120 | **1.5** | 5 | ME | 2055 | **1.6** | 5 |
| 7 | 0350 | **10.2** | 31 | 22 | 0325 | **10.1** | 31 |
| | 1030 | **1.5** | 5 | | 1005 | **1.2** | 4 |
| WE | 1625 | **7.1** | 22 | TH | 1555 | **7.2** | 22 |
| ME | 2205 | **1.9** | 6 | JE | 2140 | **1.7** | 5 |
| 8 | 0440 | **9.5** | 29 | 23 | 0405 | **9.9** | 30 |
| | 1120 | **2.0** | 6 | | 1045 | **1.2** | 4 |
| TH | 1710 | **6.9** | 21 | FR | 1645 | **7.3** | 22 |
| JE | 2255 | **2.3** | 7 | VE | 2230 | **1.9** | 6 |
| 9 | 0525 | **8.8** | 27 | 24 | 0450 | **9.5** | 29 |
| | 1205 | **2.4** | 7 | | 1130 | **1.2** | 4 |
| FR | 1800 | **6.7** | 20 | SA | 1735 | **7.4** | 23 |
| VE | 2350 | **2.8** | 9 | SA | 2325 | **2.1** | 6 |
| 10 | 0615 | **8.0** | 24 | 25 | 0540 | **8.8** | 27 |
| | 1250 | **2.7** | 8 | | 1215 | **1.4** | 4 |
| SA | 1855 | **6.7** | 20 | SU | 1830 | **7.6** | 23 |
| SA | | | | DI | | | |
| 11 | 0050 | **3.2** | 10 | 26 | 0025 | **2.4** | 7 |
| | 0705 | **7.4** | 23 | | 0635 | **8.1** | 25 |
| SU | 1340 | **2.9** | 9 | MO | 1300 | **1.6** | 5 |
| DI | 1950 | **6.8** | 21 | LU | 1925 | **7.9** | 24 |
| 12 | 0200 | **3.3** | 10 | 27 | 0140 | **2.7** | 8 |
| | 0805 | **6.9** | 21 | | 0735 | **7.3** | 22 |
| MO | 1425 | **3.0** | 9 | TU | 1355 | **1.9** | 6 |
| LU | 2045 | **7.1** | 22 | MA | 2030 | **8.3** | 25 |
| 13 | 0310 | **3.2** | 10 | 28 | 0300 | **2.7** | 8 |
| | 0910 | **6.5** | 20 | | 0845 | **6.7** | 20 |
| TU | 1510 | **3.1** | 9 | WE | 1455 | **2.2** | 7 |
| MA | 2140 | **7.5** | 23 | ME | 2135 | **8.8** | 27 |
| 14 | 0415 | **2.9** | 9 | 29 | 0415 | **2.4** | 7 |
| | 1010 | **6.3** | 19 | | 1005 | **6.4** | 20 |
| WE | 1600 | **3.0** | 9 | TH | 1555 | **2.2** | 7 |
| ME | 2225 | **6.0** | 24 | JE | 2235 | **9.3** | 28 |
| 15 | 0510 | **2.6** | 8 | 30 | 0525 | **2.1** | 6 |
| | 1105 | **6.3** | 19 | | 1115 | **6.4** | 20 |
| TH | 1640 | **2.9** | 9 | FR | 1655 | **2.1** | 6 |
| JE | 2315 | **8.5** | 26 | VE | 2335 | **9.8** | 30 |

# SEPT-ILES (EST)

1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0625 | 1.7 | 5 | 16 | 0625 | 2.5 | 8 |
| | 1215 | 6.6 | 20 | | 1210 | 6.1 | 19 |
| SA | 1750 | 1.9 | 6 | SU | 1740 | 2.5 | 8 |
| SA | | | | DI | | | |
| 2 | 0030 | 10.3 | 31 | 17 | 0025 | 9.3 | 28 |
| | 0720 | 1.4 | 4 | | 0710 | 2.1 | 6 |
| SU | 1310 | 6.9 | 21 | MO | 1255 | 6.5 | 20 |
| DI | 1845 | 1.6 | 5 | LU | 1830 | 2.1 | 6 |
| 3 | 0125 | 10.6 | 32 | 18 | 0110 | 9.6 | 30 |
| | 0805 | 1.2 | 4 | | 0750 | 1.7 | 5 |
| MO | 1355 | 7.2 | 22 | TU | 1340 | 6.9 | 21 |
| LU | 1935 | 1.4 | 4 | MA | 1915 | 1.6 | 5 |
| 4 | 0210 | 10.7 | 33 | 19 | 0150 | 10.2 | 31 |
| | 0850 | 1.2 | 4 | | 0825 | 1.2 | 4 |
| TU | 1440 | 7.4 | 23 | WE | 1420 | 7.3 | 22 |
| MA | 2020 | 1.4 | 4 | ME | 2000 | 1.3 | 4 |
| 5 | 0255 | 10.5 | 32 | 20 | 0230 | 10.5 | 32 |
| | 0930 | 1.2 | 4 | | 0900 | .8 | 2 |
| WE | 1520 | 7.4 | 23 | TH | 1500 | * 7.7 | 23 |
| ME | 2105 | 1.5 | 5 | JE | 2045 | 1.0 | 3 |
| 6 | 0335 | 10.1 | 31 | 21 | 0310 | 10.4 | 32 |
| | 1010 | 1.4 | 4 | | 0940 | .5 | 2 |
| TH | 1600 | 7.4 | 23 | FR | 1540 | 8.0 | 24 |
| JE | 2150 | 1.7 | 5 | VE | 2130 | 1.0 | 3 |
| 7 | 0415 | 9.5 | 29 | 22 | 0350 | 10.1 | 31 |
| | 1045 | 1.7 | 5 | | 1015 | .4 | 1 |
| FR | 1640 | 7.3 | 22 | SA | 1620 | 8.3 | 25 |
| VE | 2230 | 2.0 | 6 | SA | 2220 | 1.1 | 3 |
| 8 | 0450 | 8.8 | 27 | 23 | 0430 | 9.5 | 29 |
| | 1120 | 2.0 | 6 | | 1055 | .6 | 2 |
| SA | 1720 | 7.3 | 22 | SU | 1705 | 8.5 | 26 |
| SA | 2315 | 2.4 | 7 | DI | 2310 | 1.5 | 5 |
| 9 | 0530 | 8.0 | 24 | 24 | 0515 | 8.6 | 26 |
| | 1155 | 2.3 | 7 | | 1135 | 1.0 | 3 |
| SU | 1805 | 7.3 | 22 | MO | 1755 | 8.6 | 26 |
| DI | | | | LU | | | |
| 10 | 0005 | 2.8 | 9 | 25 | 0010 | 2.0 | 6 |
| | 0610 | 7.3 | 22 | | 0605 | 7.6 | 23 |
| MO | 1225 | 2.6 | 8 | TU | 1220 | 1.5 | 5 |
| LU | 1845 | 7.3 | 22 | MA | 1855 | 8.6 | 26 |
| 11 | 0105 | 3.1 | 9 | 26 | 0120 | 2.5 | 8 |
| | 0700 | 6.6 | 20 | | 0705 | 6.7 | 20 |
| TU | 1305 | 2.9 | 9 | WE | 1315 | 2.0 | 6 |
| MA | 1940 | 7.4 | 23 | ME | 2000 | 6.7 | 27 |
| 12 | 0210 | 3.2 | 10 | 27 | 0245 | 2.8 | 9 |
| | 0755 | 6.1 | 19 | | 0825 | 6.0 | 18 |
| WE | 1350 | 3.1 | 9 | TH | 1420 | 2.5 | 8 |
| ME | 2035 | 7.6 | 23 | JE | 2115 | 6.8 | 27 |
| 13 | 0325 | 3.3 | 10 | 28 | 0415 | 2.8 | 9 |
| | 0905 | 5.7 | 17 | | 0950 | 5.7 | 17 |
| TH | 1450 | 3.2 | 10 | FR | 1530 | 2.7 | 8 |
| JE | 2140 | 7.9 | 24 | VE | 2230 | 6.1 | 28 |
| 14 | 0435 | 3.2 | 10 | 29 | 0525 | 2.5 | 8 |
| | 1015 | 5.7 | 17 | | 1110 | 5.9 | 18 |
| FR | 1550 | 3.1 | 9 | SA | 1640 | 2.6 | 8 |
| VE | 2240 | 8.3 | 25 | SA | 2335 | 6.5 | 29 |
| 15 | 0535 | 2.9 | 9 | 30 | 0625 | 2.2 | 7 |
| | 1115 | 5.8 | 18 | | 1215 | 6.3 | 19 |
| SA | 1650 | 2.9 | 9 | SU | 1745 | 2.2 | 7 |
| SA | 2335 | 8.8 | 27 | DI | | | |
| | | | | 31 | 0030 | 9.8 | 30 |
| | | | | | 0715 | 1.8 | 5 |
| | | | | MO | 1305 | 6.8 | 21 |
| | | | | LU | 1840 | 1.9 | 6 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0115 | 10.2 | 31 | 16 | 0045 | 9.8 | 30 |
| | 0755 | 1.5 | 5 | | 0720 | 1.3 | 4 |
| TU | 1345 | 7.2 | 22 | WE | 1315 | 7.3 | 22 |
| MA | 1925 | 1.6 | 5 | ME | 1900 | 1.3 | 4 |
| 2 | 0200 | 10.2 | 31 | 17 | 0125 | 10.2 | 31 |
| | 0830 | 1.3 | 4 | | 0755 | .7 | 2 |
| WE | 1425 | 7.5 | 23 | TH | 1355 | 8.0 | 24 |
| ME | 2010 | 1.4 | 4 | JE | 1945 | .7 | 2 |
| 3 | 0235 | 10.1 | 31 | 18 | 0205 | 10.4 | 32 |
| | 0905 | 1.2 | 4 | | 0830 | .2 | 1 |
| TH | 1500 | 7.8 | 24 | FR | 1435 | 8.6 | 26 |
| JE | 2050 | 1.3 | 4 | VE | 2030 | .4 | 1 |
| 4 | 0310 | 9.7 | 30 | 19 | 0245 | 10.2 | 31 |
| | 0935 | 1.2 | 4 | | 0905 | .0 | 0 |
| FR | 1535 | 7.9 | 24 | SA | 1515 | 9.1 | 28 |
| VE | 2130 | 1.4 | 4 | SA | 2115 | .2 | 1 |
| 5 | 0345 | 9.1 | 28 | 20 | 0325 | 9.7 | 30 |
| | 1005 | 1.4 | 4 | | 0940 | .0 | 0 |
| SA | 1605 | 7.9 | 24 | SU | 1555 | 9.5 | 29 |
| SA | 2210 | 1.6 | 5 | DI | 2205 | .4 | 1 |
| 6 | 0420 | 8.4 | 26 | 21 | 0410 | 8.9 | 27 |
| | 1030 | 1.7 | 5 | | 1020 | .4 | 1 |
| SU | 1640 | 7.9 | 24 | MO | 1640 | 9.5 | 29 |
| DI | 2245 | 1.9 | 6 | LU | 2300 | .9 | 3 |
| 7 | 0450 | 7.7 | 23 | 22 | 0455 | 8.0 | 24 |
| | 1055 | 2.0 | 6 | | 1100 | .9 | 3 |
| MO | 1715 | 7.9 | 24 | TU | 1730 | 9.4 | 29 |
| LU | 2325 | 2.3 | 7 | MA | 2355 | 1.7 | 5 |
| 8 | 0525 | 7.0 | 21 | 23 | 0550 | 7.0 | 21 |
| | 1125 | 2.3 | 7 | | 1145 | 1.8 | 5 |
| TU | 1750 | 7.8 | 24 | WE | 1825 | 9.0 | 27 |
| MA | | | | ME | | | |
| 9 | 0015 | 2.7 | 8 | 24 | 0110 | 2.4 | 7 |
| | 0605 | 6.3 | 19 | | 0650 | 6.1 | 19 |
| WE | 1200 | 2.7 | 8 | TH | 1240 | 2.3 | 7 |
| ME | 1840 | 7.7 | 23 | JE | 1935 | 6.7 | 27 |
| 10 | 0115 | 3.2 | 10 | 25 | 0235 | 2.9 | 9 |
| | 0650 | 5.8 | 18 | | 0810 | 5.6 | 17 |
| TH | 1240 | 3.0 | 9 | FR | 1355 | 2.8 | 9 |
| JE | 1940 | 7.6 | 23 | VE | 2100 | 6.5 | 26 |
| 11 | 0230 | 3.6 | 11 | 26 | 0410 | 2.9 | 9 |
| | 0755 | 5.4 | 16 | | 0950 | 5.5 | 17 |
| FR | 1345 | 3.2 | 10 | SA | 1520 | 3.0 | 9 |
| VE | 2055 | 7.7 | 23 | SA | 2225 | 6.7 | 27 |
| 12 | 0400 | 3.6 | 11 | 27 | 0520 | 2.7 | 8 |
| | 0925 | 5.3 | 16 | | 1110 | 5.9 | 18 |
| SA | 1505 | 3.3 | 10 | SU | 1640 | 2.8 | 9 |
| SA | 2210 | 8.0 | 24 | DI | 2330 | 9.0 | 27 |
| 13 | 0515 | 3.2 | 10 | 28 | 0615 | 2.3 | 7 |
| | 1050 | 5.5 | 17 | | 1205 | 6.5 | 20 |
| SU | 1620 | 3.0 | 9 | MO | 1745 | 2.4 | 7 |
| DI | 2315 | 8.6 | 26 | LU | | | |
| 14 | 0605 | 2.6 | 8 | 29 | 0020 | 9.3 | 28 |
| | 1150 | 6.0 | 18 | | 0655 | 1.9 | 6 |
| MO | 1720 | 2.5 | 8 | TU | 1250 | 7.0 | 21 |
| LU | | | | MA | 1835 | 1.9 | 6 |
| 15 | 0005 | 9.2 | 28 | 30 | 0100 | 9.5 | 29 |
| | 0645 | 2.0 | 6 | | 0730 | 1.5 | 5 |
| TU | 1235 | 6.6 | 20 | WE | 1325 | 7.5 | 23 |
| MA | 1815 | 1.9 | 6 | ME | 1915 | 1.5 | 5 |
| | | | | 31 | 0140 | 9.5 | 29 |
| | | | | | 0800 | 1.3 | 4 |
| | | | | TH | 1400 | 7.9 | 24 |
| | | | | JE | 1955 | 1.2 | 4 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0215 | 9.3 | 28 | 16 | 0140 | 9.8 | 30 |
| | 0830 | 1.2 | 4 | | 0755 | .0 | 0 |
| FR | 1430 | 8.3 | 25 | SA | 1405 | 9.6 | 29 |
| VE | 2035 | 1.0 | 3 | SA | 2015 | −.2 | − 1 |
| 2 | 0245 | 9.0 | 27 | 17 | 0225 | 9.5 | 29 |
| | 0855 | 1.2 | 4 | | 0830 | −.1 | 0 |
| SA | 1500 | 8.5 | 26 | SU | 1445 | 10.2 | 31 |
| SA | 2110 | 1.0 | 3 | DI | 2105 | −.3 | − 1 |
| 3 | 0315 | 8.5 | 26 | 18 | 0310 | 9.0 | 27 |
| | 0920 | 1.4 | 4 | | 0910 | .1 | 0 |
| SU | 1530 | 8.6 | 26 | MO | 1530 | 10.4 | 32 |
| DI | 2145 | 1.1 | 3 | LU | 2155 | .0 | 0 |
| 4 | 0350 | 7.9 | 24 | 19 | 0355 | 8.2 | 25 |
| | 0945 | 1.6 | 5 | | 0950 | .5 | 2 |
| MO | 1600 | 8.6 | 26 | TU | 1615 | 10.2 | 31 |
| LU | 2220 | 1.4 | 4 | MA | 2245 | .7 | 2 |
| 5 | 0420 | 7.3 | 22 | 20 | 0440 | 7.4 | 23 |
| | 1010 | 1.9 | 6 | | 1030 | 1.1 | 3 |
| TU | 1630 | 8.4 | 26 | WE | 1705 | 9.8 | 30 |
| MA | 2255 | 1.9 | 6 | ME | 2345 | 1.5 | 5 |
| 6 | 0450 | 6.7 | 20 | 21 | 0535 | 6.6 | 20 |
| | 1035 | 2.2 | 7 | | 1120 | 1.8 | 5 |
| WE | 1705 | 8.2 | 25 | TH | 1805 | 9.2 | 28 |
| ME | 2335 | 2.5 | 8 | JE | | | |
| 7 | 0525 | 6.1 | 19 | 22 | 0055 | 2.4 | 7 |
| | 1110 | 2.6 | 8 | | 0640 | 5.9 | 18 |
| TH | 1750 | 7.9 | 24 | FR | 1225 | 2.6 | 8 |
| JE | | | | VE | 1920 | 8.6 | 26 |
| 8 | 0030 | 3.1 | 9 | 23 | 0225 | 2.9 | 9 |
| | 0605 | 5.7 | 17 | | 0805 | 5.6 | 17 |
| FR | 1155 | 2.9 | 9 | SA | 1345 | 3.1 | 9 |
| VE | 1850 | 7.6 | 23 | SA | 2045 | 8.2 | 25 |
| 9 | 0150 | 3.6 | 11 | 24 | 0350 | 3.0 | 9 |
| | 0710 | 5.3 | 16 | | 0945 | 5.6 | 18 |
| SA | 1300 | 3.3 | 10 | SU | 1520 | 3.2 | 10 |
| SA | 2010 | 7.5 | 23 | DI | 2210 | 8.2 | 25 |
| 10 | 0325 | 3.6 | 11 | 25 | 0455 | 2.7 | 8 |
| | 0855 | 5.2 | 16 | | 1055 | 6.3 | 19 |
| SU | 1430 | 3.4 | 10 | MO | 1635 | 2.9 | 9 |
| DI | 2135 | 7.8 | 24 | LU | 2310 | 8.4 | 26 |
| 11 | 0440 | 3.1 | 9 | 26 | 0545 | 2.4 | 7 |
| | 1025 | 5.6 | 17 | | 1145 | 6.9 | 21 |
| MO | 1555 | 3.1 | 9 | TU | 1735 | 2.5 | 8 |
| LU | 2240 | 8.4 | 26 | MA | | | |
| 12 | 0530 | 2.4 | 7 | 27 | 0000 | 8.5 | 26 |
| | 1120 | 6.3 | 19 | | 0620 | 2.0 | 6 |
| TU | 1700 | 2.5 | 8 | WE | 1225 | 7.4 | 23 |
| MA | 2335 | 9.0 | 27 | ME | 1820 | 1.9 | 6 |
| 13 | 0610 | 1.7 | 5 | 28 | 0040 | 8.6 | 26 |
| | 1205 | 7.1 | 22 | | 0655 | 1.8 | 5 |
| WE | 1755 | 1.7 | 5 | TH | 1255 | 8.0 | 24 |
| ME | | | | JE | 1900 | 1.4 | 4 |
| 14 | 0015 | 8.5 | 29 | 29 | 0115 | 8.6 | 26 |
| | 0645 | 1.0 | 3 | | 0725 | 1.6 | 5 |
| TH | 1245 | 8.0 | 24 | FR | 1325 | 8.4 | 26 |
| JE | 1845 | .9 | 3 | VE | 1940 | 1.0 | 3 |
| 15 | 0100 | 8.8 | 30 | 30 | 0145 | 8.4 | 26 |
| | 0720 | .4 | 1 | | 0750 | 1.5 | 5 |
| FR | 1325 | 8.9 | 27 | SA | 1355 | 8.7 | 27 |
| VE | 1930 | .2 | 1 | SA | 2015 | .8 | 2 |

## TABLE DES MARÉES

# SEPT-ILES (HNE 2·5)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0220 | 8.2 | 2.5 | 16 | 0205 | 8.6 | 2.6 |
| | 0815 | 1.5 | .5 | | 0800 | .3 | .1 |
| SU | 1425 | 9.0 | 2.7 | MO | 1420 | 10.9 | 3.3 |
| DI | 2045 | .7 | .2 | LU | 2050 | −.4 | −.1 |
| 2 | 0250 | 7.8 | 2.4 | 17 | 0250 | 8.2 | 2.5 |
| | 0840 | 1.8 | .5 | | 0840 | .4 | .1 |
| MO | 1450 | 9.1 | 2.8 | TU | 1505 | 10.9 | 3.3 |
| LU | 2120 | .9 | .3 | MA | 2140 | .0 | 0 |
| 3 | 0320 | 7.4 | 2.3 | 18 | 0340 | 7.7 | 2.3 |
| | 0905 | 1.8 | .5 | | 0925 | .8 | .2 |
| TU | 1525 | 9.0 | 2.7 | WE | 1555 | 10.6 | 3.2 |
| MA | 2155 | 1.3 | .4 | ME | 2235 | .7 | .2 |
| 4 | 0350 | 6.9 | 2.1 | 19 | 0430 | 7.1 | 2.2 |
| | 0930 | 2.0 | .6 | | 1015 | 1.4 | .4 |
| WE | 1555 | 8.8 | 2.7 | TH | 1650 | 9.9 | 3.0 |
| ME | 2230 | 1.9 | .6 | JE | 2335 | 1.6 | .5 |
| 5 | 0420 | 6.5 | 2.0 | 20 | 0525 | 6.6 | 2.0 |
| | 1005 | 2.2 | .7 | | 1110 | 2.0 | .6 |
| TH | 1635 | 8.5 | 2.6 | FR | 1750 | 9.2 | 2.8 |
| JE | 2310 | 2.5 | .8 | VE | | | |
| 6 | 0455 | 6.1 | 1.9 | 21 | 0040 | 2.3 | .7 |
| | 1040 | 2.6 | .8 | | 0630 | 6.2 | 1.9 |
| FR | 1720 | 8.1 | 2.5 | SA | 1215 | 2.7 | .8 |
| VE | | | | SA | 1900 | 8.4 | 2.6 |
| 7 | 0005 | 3.0 | .9 | 22 | 0155 | 2.8 | .9 |
| | 0545 | 5.7 | 1.7 | | 0750 | 6.0 | 1.8 |
| SA | 1130 | 3.0 | .9 | SU | 1335 | 3.2 | 1.0 |
| SA | 1820 | 7.8 | 2.4 | DI | 2020 | 7.9 | 2.4 |
| 8 | 0115 | 3.3 | 1.0 | 23 | 0310 | 2.9 | .9 |
| | 0655 | 5.5 | 1.7 | | 0915 | 6.2 | 1.9 |
| SU | 1240 | 3.3 | 1.0 | MO | 1500 | 3.2 | 1.0 |
| DI | 1935 | 7.8 | 2.3 | LU | 2135 | 7.7 | 2.3 |
| 9 | 0240 | 3.2 | 1.0 | 24 | 0415 | 2.8 | .9 |
| | 0830 | 5.6 | 1.7 | | 1020 | 6.7 | 2.0 |
| MO | 1405 | 3.4 | 1.0 | TU | 1615 | 3.0 | .9 |
| LU | 2055 | 7.8 | 2.4 | MA | 2235 | 7.6 | 2.3 |
| 10 | 0345 | 2.8 | .9 | 25 | 0500 | 2.6 | .8 |
| | 0950 | 6.1 | 1.9 | | 1110 | 7.2 | 2.2 |
| TU | 1530 | 3.0 | .9 | WE | 1715 | 2.5 | .8 |
| MA | 2200 | 6.1 | 2.5 | ME | 2325 | 7.6 | 2.3 |
| 11 | 0440 | 2.2 | .7 | 26 | 0535 | 2.3 | .7 |
| | 1045 | 6.9 | 2.1 | | 1145 | 7.7 | 2.3 |
| WE | 1635 | 2.4 | .7 | TH | 1800 | 2.0 | .6 |
| ME | 2255 | 6.5 | 2.6 | JE | | | |
| 12 | 0520 | 1.5 | .5 | 27 | 0005 | 7.7 | 2.3 |
| | 1130 | 7.8 | 2.4 | | 0610 | 2.1 | .6 |
| TH | 1735 | 1.5 | .5 | FR | 1220 | 8.2 | 2.5 |
| JE | 2345 | 8.8 | 2.7 | VE | 1840 | 1.5 | .5 |
| 13 | 0600 | 1.0 | .3 | 28 | 0045 | 7.7 | 2.3 |
| | 1210 | 8.8 | 2.7 | | 0640 | 2.0 | .6 |
| FR | 1825 | .7 | .2 | SA | 1250 | 8.7 | 2.7 |
| VE | | | | SA | 1915 | 1.1 | .3 |
| 14 | 0035 | 8.9 | 2.7 | 29 | 0120 | 7.8 | 2.3 |
| | 0640 | .6 | .2 | | 0710 | 1.9 | .6 |
| SA | 1255 | 9.7 | 3.0 | SU | 1320 | 9.0 | 2.7 |
| SA | 1915 | .0 | .0 | DI | 1950 | .9 | .3 |
| 15 | 0120 | 8.9 | 2.7 | 30 | 0155 | 7.4 | 2.3 |
| | 0720 | .3 | .1 | | 0735 | 1.8 | .5 |
| SU | 1335 | 10.4 | 3.2 | MO | 1350 | 9.3 | 2.8 |
| DI | 2000 | −.4 | −.1 | LU | 2025 | .9 | .3 |
| | | | | 31 | 0225 | 7.2 | 2.2 |
| | | | | | 0805 | 1.8 | .5 |
| | | | | TU | 1425 | 9.3 | 2.8 |
| | | | | MA | 2100 | 1.1 | .3 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0255 | 7.0 | 2.1 | 16 | 0330 | 7.4 | 2.3 |
| | 0835 | 1.9 | .6 | | 0910 | 1.0 | .3 |
| WE | 1500 | 9.2 | 2.8 | TH | 1545 | 10.8 | 3.2 |
| ME | 2135 | 1.5 | .5 | JE | 2225 | .9 | .3 |
| 2 | 0330 | 6.7 | 2.0 | 17 | 0420 | 7.1 | 2.2 |
| | 0910 | 2.0 | .6 | | 1000 | 1.4 | .4 |
| TH | 1535 | 9.0 | 2.7 | FR | 1635 | 10.0 | 3.0 |
| JE | 2215 | 1.9 | .6 | VE | 2320 | 1.8 | .5 |
| 3 | 0405 | 6.5 | 2.0 | 18 | 0510 | 6.8 | 2.1 |
| | 0945 | 2.2 | .7 | | 1055 | 2.0 | .6 |
| FR | 1620 | 8.7 | 2.7 | SA | 1730 | 9.1 | 2.8 |
| VE | 2255 | 2.3 | .7 | SA | | | |
| 4 | 0445 | 6.2 | 1.9 | 19 | 0015 | 2.1 | .6 |
| | 1025 | 2.5 | .8 | | 0610 | 6.6 | 2.0 |
| SA | 1705 | 8.4 | 2.6 | SU | 1155 | 2.6 | .8 |
| SA | 2350 | 2.6 | .8 | DI | 1830 | 8.3 | 2.5 |
| 5 | 0535 | 6.0 | 1.8 | 20 | 0115 | 2.5 | .8 |
| | 1120 | 2.8 | .9 | | 0720 | 6.5 | 2.0 |
| SU | 1755 | 8.1 | 2.5 | MO | 1310 | 3.0 | .9 |
| DI | | | | LU | 1935 | 7.6 | 2.3 |
| 6 | 0050 | 2.7 | .8 | 21 | 0215 | 2.8 | .9 |
| | 0640 | 6.0 | 1.8 | | 0830 | 6.6 | 2.0 |
| MO | 1225 | 3.1 | .9 | TU | 1425 | 3.2 | 1.0 |
| LU | 1900 | 7.9 | 2.4 | MA | 2045 | 7.2 | 2.2 |
| 7 | 0150 | 2.6 | .8 | 22 | 0310 | 2.8 | .9 |
| | 0755 | 6.2 | 1.9 | | 0930 | 6.9 | 2.1 |
| TU | 1345 | 3.1 | .9 | WE | 1540 | 3.0 | .9 |
| MA | 2010 | 7.8 | 2.4 | ME | 2145 | 6.9 | 2.1 |
| 8 | 0250 | 2.3 | .7 | 23 | 0400 | 2.8 | .9 |
| | 0905 | 6.8 | 2.1 | | 1020 | 7.3 | 2.2 |
| WE | 1500 | 2.8 | .9 | TH | 1640 | 2.7 | .8 |
| ME | 2115 | 7.7 | 2.3 | JE | 2240 | 6.8 | 2.1 |
| 9 | 0345 | 2.0 | .6 | 24 | 0440 | 2.7 | .8 |
| | 1000 | 7.5 | 2.3 | | 1100 | 7.8 | 2.4 |
| TH | 1610 | 2.3 | .7 | FR | 1730 | 2.2 | .7 |
| JE | 2220 | 7.8 | 2.4 | VE | 2330 | 6.8 | 2.1 |
| 10 | 0435 | 1.6 | .5 | 25 | 0520 | 2.6 | .8 |
| | 1050 | 8.4 | 2.6 | | 1140 | 8.3 | 2.5 |
| FR | 1715 | 1.5 | .5 | SA | 1815 | 1.8 | .5 |
| VE | 2315 | 7.9 | 2.4 | SA | | | |
| 11 | 0520 | 1.3 | .4 | 26 | 0010 | 6.8 | 2.1 |
| | 1140 | 9.4 | 2.9 | | 0555 | 2.4 | .7 |
| SA | 1810 | .8 | .2 | SU | 1215 | 8.7 | 2.7 |
| SA | | | | DI | 1855 | 1.5 | .5 |
| 12 | 0010 | 7.9 | 2.4 | 27 | 0050 | 6.8 | 2.1 |
| | 0605 | 1.0 | .3 | | 0630 | 2.2 | .7 |
| SU | 1225 | 10.2 | 3.1 | MO | 1255 | 9.1 | 2.8 |
| DI | 1900 | .2 | .1 | LU | 1930 | 1.3 | .4 |
| 13 | 0100 | 7.9 | 2.4 | 28 | 0130 | 6.8 | 2.1 |
| | 0650 | .8 | .2 | | 0705 | 2.0 | .6 |
| MO | 1315 | 10.8 | 3.3 | TU | 1330 | 9.3 | 2.8 |
| LU | 1950 | .0 | .0 | MA | 2010 | 1.3 | .4 |
| 14 | 0150 | 7.8 | 2.4 | 29 | 0205 | 6.8 | 2.1 |
| | 0735 | .7 | .2 | | 0740 | 1.9 | .6 |
| TU | 1405 | 11.1 | 3.4 | WE | 1410 | 9.4 | 2.9 |
| MA | 2040 | .0 | .0 | ME | 2045 | 1.5 | .5 |
| 15 | 0240 | 7.7 | 2.3 | 30 | 0240 | 6.7 | 2.0 |
| | 0820 | .7 | .2 | | 0815 | 1.8 | .5 |
| WE | 1455 | 11.0 | 3.4 | TH | 1445 | 9.4 | 2.9 |
| ME | 2135 | .4 | .1 | JE | 2125 | 1.6 | .5 |

### DECEMBER-DECEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0315 | 6.7 | 2.0 | 16 | 0405 | 7.3 | 2.2 |
| | 0855 | 1.8 | .5 | | 0950 | 1.3 | .4 |
| FR | 1525 | 9.3 | 2.8 | SA | 1620 | 9.9 | 3.0 |
| VE | 2200 | 1.7 | .5 | SA | 2255 | 1.4 | .4 |
| 2 | 0350 | 6.6 | 2.0 | 17 | 0450 | 7.1 | 2.2 |
| | 0935 | 1.9 | .6 | | 1040 | 1.8 | .5 |
| SA | 1605 | 9.2 | 2.8 | SU | 1705 | 9.1 | 2.8 |
| SA | 2245 | 1.8 | .5 | DI | 2340 | 1.8 | .5 |
| 3 | 0435 | 6.6 | 2.0 | 18 | 0540 | 7.0 | 2.1 |
| | 1020 | 2.1 | .6 | | 1135 | 2.3 | .7 |
| SU | 1645 | 8.9 | 2.7 | MO | 1755 | 8.2 | 2.5 |
| DI | 2325 | 1.8 | .5 | LU | | | |
| 4 | 0525 | 6.6 | 2.0 | 19 | 0025 | 2.1 | .6 |
| | 1110 | 2.4 | .7 | | 0635 | 6.9 | 2.1 |
| MO | 1735 | 8.5 | 2.6 | TU | 1230 | 2.7 | .8 |
| LU | | | | MA | 1845 | 7.4 | 2.3 |
| 5 | 0015 | 1.8 | .5 | 20 | 0110 | 2.5 | .8 |
| | 0620 | 6.7 | 2.0 | | 0730 | 6.9 | 2.1 |
| TU | 1210 | 2.6 | .8 | WE | 1335 | 3.0 | .9 |
| MA | 1825 | 8.1 | 2.5 | ME | 1940 | 6.7 | 2.0 |
| 6 | 0105 | 1.8 | .5 | 21 | 0200 | 2.7 | .8 |
| | 0720 | 7.0 | 2.1 | | 0825 | 7.0 | 2.1 |
| WE | 1315 | 2.7 | .8 | TH | 1445 | 3.1 | .9 |
| ME | 1925 | 7.6 | 2.3 | JE | 2040 | 6.2 | 1.9 |
| 7 | 0200 | 1.9 | .6 | 22 | 0245 | 2.9 | .9 |
| | 0820 | 7.4 | 2.3 | | 0915 | 7.3 | 2.2 |
| TH | 1435 | 2.6 | .8 | FR | 1555 | 2.9 | .9 |
| JE | 2035 | 7.2 | 2.2 | VE | 2145 | 6.8 | 1.8 |
| 8 | 0255 | 1.9 | .6 | 23 | 0335 | 2.9 | .9 |
| | 0920 | 8.1 | 2.5 | | 1010 | 7.7 | 2.3 |
| FR | 1550 | 2.3 | .7 | SA | 1655 | 2.6 | .8 |
| VE | 2145 | 6.9 | 2.1 | SA | 2245 | 6.9 | 1.8 |
| 9 | 0350 | 1.8 | .5 | 24 | 0425 | 2.8 | .9 |
| | 1020 | 8.8 | 2.7 | | 1100 | 8.1 | 2.5 |
| SA | 1655 | 1.8 | .5 | SU | 1750 | 2.3 | .7 |
| SA | 2250 | 6.8 | 2.1 | DI | 2340 | 6.0 | 1.8 |
| 10 | 0445 | 1.7 | .5 | 25 | 0510 | 2.6 | .8 |
| | 1115 | 9.5 | 2.9 | | 1150 | 8.6 | 2.6 |
| SU | 1800 | 1.2 | .4 | MO | 1835 | 2.1 | .6 |
| DI | 2350 | 6.9 | 2.1 | LU | | | |
| 11 | 0535 | 1.4 | .4 | 26 | 0025 | 6.1 | 1.9 |
| | 1210 | 10.2 | 3.1 | | 0555 | 2.4 | .7 |
| MO | 1855 | .8 | .2 | TU | 1235 | 9.0 | 2.7 |
| LU | | | | MA | 1920 | 1.9 | .6 |
| 12 | 0050 | 7.0 | 2.1 | 27 | 0105 | 6.3 | 1.9 |
| | 0630 | 1.2 | .4 | | 0640 | 2.0 | .6 |
| TU | 1305 | 10.7 | 3.3 | WE | 1315 | 9.3 | 2.8 |
| MA | 1945 | .6 | .2 | ME | 1955 | 1.7 | .5 |
| 13 | 0140 | 7.2 | 2.2 | 28 | 0145 | 6.5 | 2.0 |
| | 0720 | 1.0 | .3 | | 0720 | 1.7 | .5 |
| WE | 1355 | 11.0 | 3.4 | TH | 1355 | 9.6 | 2.9 |
| ME | 2035 | .5 | .2 | JE | 2035 | 1.5 | .5 |
| 14 | 0230 | 7.3 | 2.2 | 29 | 0220 | 6.7 | 2.0 |
| | 0810 | .9 | .3 | | 0800 | 1.5 | .5 |
| TH | 1445 | 10.9 | 3.3 | FR | 1435 | 9.7 | 3.0 |
| JE | 2125 | .7 | .2 | VE | 2110 | 1.3 | .4 |
| 15 | 0315 | 7.3 | 2.2 | 30 | 0300 | 6.9 | 2.1 |
| | 0900 | 1.0 | .3 | | 0840 | 1.4 | .4 |
| FR | 1535 | 10.5 | 3.2 | SA | 1510 | 9.7 | 3.0 |
| VE | 2210 | 1.0 | .3 | SA | 2145 | 1.1 | .3 |
| | | | | 31 | 0340 | 7.1 | 2.2 |
| | | | | | 0925 | 1.4 | .4 |
| | | | | SU | 1550 | 9.6 | 2.9 |
| | | | | DI | 2220 | .9 | .3 |

# POINTE-AU-PERE (EST 2:5)



1989

## JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0200 | 4.7 | 1 4 | 16 | 0235 | 3.8 | 1 2 |
| | 0840 | 10.7 | 3 3 | | 0905 | 11.7 | 3 6 |
| SU | 1515 | 5.3 | 1 6 | MO | 1600 | 4.0 | 1 2 |
| DI | 2100 | 8.8 | 2 7 | LU | 2145 | 9.4 | 2 9 |
| 2 | 0250 | 4.9 | 1 5 | 17 | 0345 | 4.2 | 1 3 |
| | 0940 | 11.0 | 3 4 | | 1015 | 12.0 | 3 7 |
| MO | 1635 | 5.0 | 1 5 | TU | 1720 | 3.7 | 1 1 |
| LU | 2210 | 8.6 | 2 6 | MA | 2300 | 9.2 | 2 8 |
| 3 | 0350 | 5.0 | 1 5 | 18 | 0450 | 4.2 | 1 3 |
| | 1035 | 11.4 | 3 5 | | 1125 | 12.5 | 3 8 |
| TU | 1740 | 4.6 | 1 4 | WE | 1830 | 3.2 | 1 0 |
| MA | 2315 | 8.7 | 2 7 | ME | | | |
| 4 | 0450 | 4.8 | 1 5 | 19 | 0010 | 9.4 | 2 9 |
| | 1130 | 11.9 | 3 6 | | 0555 | 3.8 | 1 2 |
| WE | 1835 | 3.9 | 1 2 | TH | 1225 | 13.0 | 4 0 |
| ME | | | | JE | 1920 | 2.7 | 8 |
| 5 | 0010 | 9.0 | 2 7 | 20 | 0100 | 9.8 | 3 0 |
| | 0545 | 4.3 | 1 3 | | 0650 | 3.3 | 1 0 |
| TH | 1220 | 12.6 | 3 8 | FR | 1315 | 13.5 | 4 1 |
| JE | 1915 | 3.2 | 1 0 | VE | 2000 | 2.4 | 7 |
| 6 | 0100 | 9.6 | 2 9 | 21 | 0145 | 10.4 | 3 2 |
| | 0635 | 3.7 | 1 1 | | 0735 | 2.7 | 8 |
| FR | 1305 | 13.3 | 4 1 | SA | 1400 | 13.9 | 4 2 |
| VE | 1955 | 2.5 | 8 | SA | 2040 | 2.1 | 6 |
| 7 | 0140 | 10.1 | 3 1 | 22 | 0225 | 10.8 | 3 3 |
| | 0720 | 3.1 | 9 | | 0815 | 2.3 | 7 |
| SA | 1350 | 14.0 | 4 3 | SU | 1440 | 14.0 | 4 3 |
| SA | 2035 | 1.8 | 5 | DI | 2115 | 2.0 | 6 |
| 8 | 0220 | 10.7 | 3 3 | 23 | 0300 | 11.2 | 3 4 |
| | 0805 | 2.5 | 8 | | 0855 | 2.2 | 7 |
| SU | 1430 | 14.6 | 4 5 | MO | 1515 | 13.8 | 4 2 |
| DI | 2110 | 1.3 | 4 | LU | 2145 | 2.1 | 6 |
| 9 | 0305 | 11.1 | 3 4 | 24 | 0335 | 11.4 | 3 5 |
| | 0845 | 2.1 | 6 | | 0930 | 2.3 | 7 |
| MO | 1510 | 15.0 | 4 6 | TU | 1550 | 13.5 | 4 1 |
| LU | 2150 | 1.0 | 3 | MA | 2215 | 2.2 | 7 |
| 10 | 0345 | 11.4 | 3 5 | 25 | 0415 | 11.5 | 3 5 |
| | 0930 | 1.9 | 6 | | 1010 | 2.5 | 8 |
| TU | 1555 | 15.0 | 4 6 | WE | 1625 | 12.9 | 3 9 |
| MA | 2230 | .9 | 3 | ME | 2240 | 2.5 | 8 |
| 11 | 0430 | 11.5 | 3 5 | 26 | 0450 | 11.5 | 3 5 |
| | 1015 | 2.0 | 6 | | 1045 | 2.9 | 9 |
| WE | 1640 | 14.6 | 4 5 | TH | 1700 | 12.1 | 3 7 |
| ME | 2315 | 1.2 | 4 | JE | 2310 | 2.9 | 9 |
| 12 | 0515 | 11.6 | 3 5 | 27 | 0525 | 11.4 | 3 5 |
| | 1105 | 2.3 | 7 | | 1125 | 3.4 | 1 0 |
| TH | 1730 | 13.8 | 4 2 | FR | 1735 | 11.3 | 3 4 |
| JE | | | | VE | 2340 | 3.3 | 1 0 |
| 13 | 0000 | 1.7 | 5 | 28 | 0605 | 11.3 | 3 4 |
| | 0605 | 11.6 | 3 5 | | 1210 | 4.0 | 1 2 |
| FR | 1205 | 2.8 | 9 | SA | 1815 | 10.3 | 3 1 |
| VE | 1820 | 12.7 | 3 9 | SA | | | |
| 14 | 0045 | 2.4 | 7 | 29 | 0010 | 3.8 | 1 2 |
| | 0700 | 11.6 | 3 5 | | 0645 | 11.1 | 3 4 |
| SA | 1310 | 3.4 | 1 0 | SU | 1300 | 4.6 | 1 4 |
| SA | 1920 | 11.4 | 3 5 | DI | 1855 | 9.4 | 2 9 |
| 15 | 0135 | 3.2 | 1 0 | 30 | 0050 | 4.3 | 1 3 |
| | 0800 | 11.6 | 3 5 | | 0730 | 10.9 | 3 3 |
| SU | 1430 | 3.9 | 1 2 | MO | 1405 | 5.1 | 1 6 |
| DI | 2030 | 10.2 | 3 1 | LU | 1950 | 8.6 | 2 6 |
| | | | | 31 | 0135 | 4.8 | 1 5 |
| | | | | | 0830 | 10.8 | 3 3 |
| | | | | TU | 1535 | 5.3 | 1 6 |
| | | | | MA | 2105 | 8.1 | 2 5 |

## FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0245 | 5.1 | 1 6 | 16 | 0440 | 4.6 | 1 4 |
| | 0945 | 10.8 | 3 3 | | 1115 | 11.7 | 3 6 |
| WE | 1705 | 5.0 | 1 5 | TH | 1820 | 3.7 | 1 1 |
| ME | 2230 | 8.0 | 2 4 | JE | | | |
| 2 | 0410 | 5.1 | 1 6 | 17 | 0000 | 8.9 | 2 7 |
| | 1055 | 11.3 | 3 4 | | 0550 | 4.1 | 1 2 |
| TH | 1810 | 4.3 | 1 3 | FR | 1220 | 12.2 | 3 7 |
| JE | 2345 | 8.6 | 2 6 | VE | 1910 | 3.2 | 1 0 |
| 3 | 0525 | 4.5 | 1 4 | 18 | 0050 | 8.6 | 2 9 |
| | 1200 | 12.1 | 3 7 | | 0640 | 3.4 | 1 0 |
| FR | 1855 | 3.4 | 1 0 | SA | 1310 | 12.8 | 3 9 |
| VE | | | | SA | 1945 | 2.8 | 9 |
| 4 | 0040 | 9.3 | 2 8 | 19 | 0130 | 10.4 | 3 2 |
| | 0620 | 3.6 | 1 1 | | 0725 | 2.7 | 8 |
| SA | 1250 | 13.1 | 4 0 | SU | 1350 | 13.2 | 4 0 |
| SA | 1935 | 2.4 | 7 | DI | 2015 | 2.5 | 8 |
| 5 | 0125 | 10.2 | 3 1 | 20 | 0205 | 11.2 | 3 4 |
| | 0710 | 2.7 | 8 | | 0805 | 2.2 | 7 |
| SU | 1335 | 14.2 | 4 3 | MO | 1420 | 13.3 | 4 1 |
| DI | 2010 | 1.4 | 4 | LU | 2045 | 2.2 | 7 |
| 6 | 0205 | 11.1 | 3 4 | 21 | 0240 | 11.8 | 3 6 |
| | 0755 | 1.8 | 5 | | 0640 | 1.9 | 6 |
| MO | 1415 | 15.0 | 4 6 | TU | 1455 | 13.3 | 4 1 |
| LU | 2050 | .7 | 2 | MA | 2110 | 2.0 | 6 |
| 7 | 0245 | 11.9 | 3 6 | 22 | 0310 | 12.2 | 3 7 |
| | 0835 | 1.2 | 4 | | 0910 | 1.8 | 5 |
| TU | 1455 | 15.4 | 4 7 | WE | 1525 | 13.1 | 4 0 |
| MA | 2125 | .3 | 1 | ME | 2135 | 2.1 | 6 |
| 8 | 0325 | 12.5 | 3 8 | 23 | 0340 | 12.5 | 3 8 |
| | 0920 | .8 | 2 | | 0945 | 2.0 | 6 |
| WE | 1540 | 15.3 | 4 7 | TH | 1555 | 12.6 | 3 8 |
| ME | 2200 | .3 | 1 | JE | 2200 | 2.2 | 7 |
| 9 | 0405 | 12.9 | 3 9 | 24 | 0410 | 12.5 | 3 8 |
| | 1005 | .8 | 2 | | 1020 | 2.3 | 7 |
| TH | 1620 | 14.7 | 4 5 | FR | 1625 | 11.9 | 3 6 |
| JE | 2240 | .6 | 2 | VE | 2225 | 2.6 | 8 |
| 10 | 0450 | 13.0 | 4 0 | 25 | 0445 | 12.4 | 3 8 |
| | 1055 | 1.2 | 4 | | 1055 | 2.7 | 8 |
| FR | 1710 | 13.6 | 4 1 | SA | 1700 | 11.1 | 3 4 |
| VE | 2320 | 1.4 | 4 | SA | 2250 | 3.0 | 9 |
| 11 | 0535 | 12.9 | 3 9 | 26 | 0515 | 12.1 | 3 7 |
| | 1145 | 1.9 | 6 | | 1130 | 3.3 | 1 0 |
| SA | 1800 | 12.3 | 3 7 | SU | 1735 | 10.3 | 3 1 |
| SA | | | | DI | 2320 | 3.6 | 1 1 |
| 12 | 0005 | 2.3 | 7 | 27 | 0550 | 11.7 | 3 6 |
| | 0625 | 12.5 | 3 8 | | 1215 | 4.0 | 1 2 |
| SU | 1250 | 2.8 | 9 | MO | 1815 | 9.4 | 2 9 |
| DI | 1855 | 10.8 | 3 3 | LU | 2355 | 4.2 | 1 3 |
| 13 | 0055 | 3.3 | 1 0 | 28 | 0640 | 11.2 | 3 4 |
| | 0725 | 12.1 | 3 7 | | 1315 | 4.7 | 1 4 |
| MO | 1405 | 3.7 | 1 1 | TU | 1905 | 8.5 | 2 6 |
| LU | 2000 | 9.5 | 2 9 | MA | | | |
| 14 | 0155 | 4.2 | 1 3 | | | | |
| | 0830 | 11.6 | 3 5 | | | | |
| TU | 1540 | 4.2 | 1 3 | | | | |
| MA | 2120 | 8.7 | 2 7 | | | | |
| 15 | 0310 | 4.7 | 1 4 | | | | |
| | 0950 | 11.4 | 3 5 | | | | |
| WE | 1715 | 4.1 | 1 2 | | | | |
| ME | 2250 | 8.5 | 2 6 | | | | |

## MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0040 | 4.8 | 1 5 | 16 | 0250 | 5.0 | 1 5 |
| | 0735 | 10.8 | 3 3 | | 0930 | 11.0 | 3 4 |
| WE | 1440 | 5.2 | 1 6 | TH | 1655 | 4.4 | 1 3 |
| ME | 2020 | 7.9 | 2 4 | JE | 2235 | 8.4 | 2 6 |
| 2 | 0155 | 5.2 | 1 6 | 17 | 0425 | 4.9 | 1 5 |
| | 0855 | 10.6 | 3 2 | | 1105 | 11.1 | 3 4 |
| TH | 1630 | 5.0 | 1 5 | FR | 1800 | 4.1 | 1 2 |
| JE | 2155 | 7.9 | 2 4 | VE | 2350 | 9.0 | 2 7 |
| 3 | 0335 | 5.2 | 1 6 | 18 | 0535 | 4.3 | 1 3 |
| | 1025 | 11.0 | 3 4 | | 1205 | 11.5 | 3 5 |
| FR | 1740 | 4.2 | 1 3 | SA | 1845 | 3.7 | 1 1 |
| VE | 2320 | 8.5 | 2 6 | SA | | | |
| 4 | 0500 | 4.5 | 1 4 | 19 | 0035 | 9.9 | 3 0 |
| | 1135 | 11.9 | 3 6 | | 0630 | 3.6 | 1 1 |
| SA | 1825 | 3.2 | 1 0 | SU | 1250 | 12.0 | 3 7 |
| SA | | | | DI | 1915 | 3.3 | 1 0 |
| 5 | 0015 | 9.5 | 2 9 | 20 | 0110 | 10.9 | 3 3 |
| | 0600 | 3.5 | 1 1 | | 0710 | 2.9 | 9 |
| SU | 1230 | 13.0 | 4 0 | MO | 1325 | 12.3 | 3 7 |
| DI | 1905 | 2.2 | 7 | LU | 1945 | 2.9 | 9 |
| 6 | 0100 | 10.8 | 3 3 | 21 | 0140 | 11.8 | 3 6 |
| | 0650 | 2.4 | 7 | | 0745 | 2.4 | 7 |
| MO | 1310 | 14.1 | 4 3 | TU | 1355 | 12.5 | 3 8 |
| LU | 1940 | 1.2 | 4 | MA | 2005 | 2.5 | 8 |
| 7 | 0140 | 12.0 | 3 7 | 22 | 0210 | 12.5 | 3 8 |
| | 0735 | 1.3 | 4 | | 0820 | 2.0 | 6 |
| TU | 1355 | 14.8 | 4 5 | WE | 1425 | 12.5 | 3 8 |
| MA | 2015 | .5 | 2 | ME | 2030 | 2.3 | 7 |
| 8 | 0220 | 13.0 | 4 0 | 23 | 0240 | 13.0 | 4 0 |
| | 0820 | .6 | 2 | | 0850 | 1.8 | 5 |
| WE | 1435 | 15.1 | 4 6 | TH | 1455 | 12.3 | 3 7 |
| ME | 2055 | .1 | 0 | JE | 2055 | 2.3 | 7 |
| 9 | 0255 | 13.8 | 4 2 | 24 | 0305 | 13.3 | 4 1 |
| | 0905 | .2 | 1 | | 0925 | 1.8 | 5 |
| TH | 1515 | 14.8 | 4 5 | FR | 1525 | 11.9 | 3 6 |
| JE | 2130 | .2 | 1 | VE | 2120 | 2.4 | 7 |
| 10 | 0340 | 14.2 | 4 3 | 25 | 0335 | 13.3 | 4 1 |
| | 0950 | .2 | 1 | | 0955 | 2.0 | 6 |
| FR | 1600 | 14.1 | 4 3 | SA | 1555 | 11.4 | 3 5 |
| VE | 2210 | .7 | 2 | SA | 2145 | 2.7 | 8 |
| 11 | 0420 | 14.2 | 4 3 | 26 | 0405 | 13.1 | 4 0 |
| | 1040 | .7 | 2 | | 1025 | 2.4 | 7 |
| SA | 1645 | 12.9 | 3 9 | SU | 1630 | 10.7 | 3 3 |
| SA | 2250 | 1.6 | 5 | DI | 2210 | 3.2 | 1 0 |
| 12 | 0505 | 13.8 | 4 2 | 27 | 0440 | 12.7 | 3 9 |
| | 1130 | 1.5 | 5 | | 1105 | 3.0 | 9 |
| SU | 1740 | 11.5 | 3 5 | MO | 1705 | 10.0 | 3 0 |
| DI | 2330 | 2.6 | 8 | LU | 2245 | 3.7 | 1 1 |
| 13 | 0555 | 13.1 | 4 0 | 28 | 0515 | 12.2 | 3 7 |
| | 1235 | 2.6 | 8 | | 1150 | 3.7 | 1 1 |
| MO | 1835 | 10.2 | 3 1 | TU | 1750 | 9.3 | 2 8 |
| LU | | | | MA | 2320 | 4.3 | 1 3 |
| 14 | 0020 | 3.6 | 1 1 | 29 | 0605 | 11.6 | 3 5 |
| | 0655 | 12.2 | 3 7 | | 1250 | 4.4 | 1 3 |
| TU | 1350 | 3.7 | 1 1 | WE | 1845 | 8.5 | 2 6 |
| MA | 1940 | 9.0 | 2 7 | ME | | | |
| 15 | 0120 | 4.5 | 1 4 | 30 | 0010 | 4.9 | 1 5 |
| | 0805 | 11.4 | 3 5 | | 0705 | 11.1 | 3 4 |
| WE | 1525 | 4.4 | 1 3 | TH | 1415 | 4.8 | 1 5 |
| ME | 2100 | 8.3 | 2 5 | JE | 2000 | 8.1 | 2 5 |
| | | | | 31 | 0130 | 5.3 | 1 6 |
| | | | | | 0825 | 10.9 | 3 3 |
| | | | | FR | 1550 | 4.7 | 1 4 |
| | | | | VE | 2130 | 8.2 | 2 5 |

## TABLE DES MARÉES

# POINTE-AU-PERE (MNE 2-5)

1989

### APRIL AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0310 | 5.3 | 1 6 | 16 | 0515 | 4.6 | 1 4 |
| | 0950 | 11.1 | 3 4 | | 1135 | 10.8 | 3 3 |
| SA | 1700 | 4.0 | 1 2 | SU | 1800 | 4.2 | 1 3 |
| SA | 2250 | 9.0 | 2 7 | DI | | | |
| 2 | 0435 | 4.6 | 1 4 | 17 | 0000 | 10.5 | 3 2 |
| | 1100 | 11.9 | 3 6 | | 0605 | 4.0 | 1 2 |
| SU | 1750 | 3.1 | 9 | MO | 1220 | 11.1 | 3 4 |
| DI | 2345 | 10.2 | 3 1 | LU | 1830 | 3.8 | 1 2 |
| 3 | 0540 | 3.5 | 1 1 | 18 | 0035 | 11.4 | 3 5 |
| | 1200 | 12.7 | 3 9 | | 0650 | 3.3 | 1 0 |
| MO | 1830 | 2.2 | 7 | TU | 1255 | 11.3 | 3 4 |
| LU | | | | MA | 1900 | 3.5 | 1 1 |
| 4 | 0030 | 11.6 | 3 5 | 19 | 0105 | 12.3 | 3 7 |
| | 0630 | 2.4 | 7 | | 0725 | 2.8 | 9 |
| TU | 1245 | 13.5 | 4 1 | WE | 1325 | 11.5 | 3 5 |
| MA | 1905 | 1.4 | 4 | ME | 1925 | 3.2 | 1 0 |
| 5 | 0110 | 12.9 | 3 9 | 20 | 0135 | 13.0 | 4 0 |
| | 0720 | 1.3 | 4 | | 0800 | 2.4 | 7 |
| WE | 1330 | 14.0 | 4 3 | TH | 1355 | 11.5 | 3 5 |
| ME | 1945 | .9 | 3 | JE | 1950 | 3.0 | 9 |
| 6 | 0150 | 14.1 | 4 3 | 21 | 0205 | 13.5 | 4 1 |
| | 0805 | .5 | 2 | | 0830 | 2.1 | 6 |
| TH | 1415 | 14.1 | 4 3 | FR | 1425 | 11.4 | 3 5 |
| JE | 2020 | .7 | 2 | VE | 2015 | 2.9 | 9 |
| 7 | 0230 | 14.9 | 4 5 | 22 | 0235 | 13.7 | 4 2 |
| | 0850 | .1 | 0 | | 0905 | 2.1 | 6 |
| FR | 1455 | 13.8 | 4 2 | SA | 1500 | 11.2 | 3 4 |
| VE | 2100 | .8 | 2 | SA | 2040 | 3.0 | 9 |
| 8 | 0310 | 15.2 | 4 6 | 23 | 0305 | 13.7 | 4 2 |
| | 0940 | .2 | 1 | | 0935 | 2.2 | 7 |
| SA | 1540 | 13.0 | 4 0 | SU | 1530 | 10.9 | 3 3 |
| SA | 2140 | 1.3 | 4 | DI | 2110 | 3.2 | 1 0 |
| 9 | 0355 | 15.0 | 4 6 | 24 | 0335 | 13.4 | 4 1 |
| | 1030 | .7 | 2 | | 1010 | 2.6 | 8 |
| SU | 1630 | 12.0 | 3 7 | MO | 1610 | 10.4 | 3 2 |
| DI | 2220 | 2.1 | 6 | LU | 2145 | 3.5 | 1 1 |
| 10 | 0445 | 14.3 | 4 4 | 25 | 0415 | 13.1 | 4 0 |
| | 1120 | 1.7 | 5 | | 1050 | 3.0 | 9 |
| MO | 1720 | 10.9 | 3 3 | TU | 1650 | 9.8 | 3 0 |
| LU | 2305 | 3.0 | 9 | MA | 2220 | 3.9 | 1 2 |
| 11 | 0535 | 13.4 | 4 1 | 26 | 0455 | 12.6 | 3 8 |
| | 1220 | 2.8 | 9 | | 1140 | 3.6 | 1 1 |
| TU | 1815 | 9.8 | 3 0 | WE | 1740 | 9.3 | 2 8 |
| MA | 2355 | 4.0 | 1 2 | ME | 2305 | 4.4 | 1 3 |
| 12 | 0635 | 12.3 | 3 7 | 27 | 0550 | 12.1 | 3 7 |
| | 1335 | 3.8 | 1 2 | | 1240 | 4.0 | 1 2 |
| WE | 1920 | 9.0 | 2 7 | TH | 1835 | 8.8 | 2 7 |
| ME | | | | JE | | | |
| 13 | 0105 | 4.8 | 1 5 | 28 | 0000 | 4.9 | 1 5 |
| | 0740 | 11.4 | 3 5 | | 0650 | 11.7 | 3 6 |
| TH | 1500 | 4.5 | 1 4 | FR | 1355 | 4.2 | 1 3 |
| JE | 2040 | 8.6 | 2 6 | VE | 1945 | 8.7 | 2 7 |
| 14 | 0230 | 5.2 | 1 6 | 29 | 0120 | 5.2 | 1 6 |
| | 0905 | 10.7 | 3 3 | | 0800 | 11.5 | 3 5 |
| FR | 1620 | 4.6 | 1 4 | SA | 1510 | 4.1 | 1 2 |
| VE | 2210 | 8.8 | 2 7 | SA | 2105 | 9.0 | 2 7 |
| 15 | 0405 | 5.1 | 1 6 | 30 | 0250 | 5.1 | 1 6 |
| | 1030 | 10.6 | 3 2 | | 0915 | 11.5 | 3 5 |
| SA | 1715 | 4.5 | 1 4 | SU | 1610 | 3.7 | 1 1 |
| SA | 2315 | 9.5 | 2 9 | DI | 2215 | 9.9 | 3 0 |

### MAY MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0410 | 4.5 | 1 4 | 16 | 0535 | 4.4 | 1 3 |
| | 1025 | 11.8 | 3 6 | | 1135 | 10.2 | 3 1 |
| MO | 1700 | 3.2 | 1 0 | TU | 1735 | 4.5 | 1 4 |
| LU | 2310 | 11.1 | 3 4 | MA | 2350 | 11.8 | 3 6 |
| 2 | 0515 | 3.6 | 1 1 | 17 | 0620 | 3.9 | 1 2 |
| | 1125 | 12.2 | 3 7 | | 1215 | 10.3 | 3 1 |
| TU | 1745 | 2.6 | 8 | WE | 1805 | 4.2 | 1 3 |
| MA | | | | ME | | | |
| 3 | 0000 | 12.4 | 3 8 | 18 | 0030 | 12.5 | 3 8 |
| | 0615 | 2.5 | 8 | | 0705 | 3.4 | 1 0 |
| WE | 1220 | 12.6 | 3 8 | TH | 1255 | 10.4 | 3 2 |
| ME | 1830 | 2.1 | 6 | JE | 1840 | 3.9 | 1 2 |
| 4 | 0040 | 13.7 | 4 2 | 19 | 0100 | 13.1 | 4 0 |
| | 0705 | 1.6 | 5 | | 0740 | 2.9 | 9 |
| TH | 1305 | 12.8 | 3 9 | FR | 1330 | 10.6 | 3 2 |
| JE | 1910 | 1.7 | 5 | VE | 1910 | 3.7 | 1 1 |
| 5 | 0125 | 14.7 | 4 5 | 20 | 0135 | 13.5 | 4 1 |
| | 0755 | .9 | 3 | | 0815 | 2.7 | 8 |
| FR | 1355 | 12.8 | 3 9 | SA | 1405 | 10.7 | 3 3 |
| VE | 1950 | 1.6 | 5 | SA | 1945 | 3.5 | 1 1 |
| 6 | 0210 | 15.3 | 4 7 | 21 | 0205 | 13.7 | 4 2 |
| | 0845 | .6 | 2 | | 0845 | 2.5 | 8 |
| SA | 1440 | 12.6 | 3 8 | SU | 1440 | 10.7 | 3 3 |
| SA | 2035 | 1.7 | 5 | DI | 2015 | 3.5 | 1 1 |
| 7 | 0250 | 15.4 | 4 7 | 22 | 0240 | 13.7 | 4 2 |
| | 0930 | .7 | 2 | | 0925 | 2.5 | 8 |
| SU | 1525 | 12.1 | 3 7 | MO | 1515 | 10.5 | 3 2 |
| DI | 2115 | 2.0 | 6 | LU | 2055 | 3.5 | 1 1 |
| 8 | 0340 | 15.1 | 4 6 | 23 | 0320 | 13.6 | 4 1 |
| | 1020 | 1.2 | 4 | | 1000 | 2.6 | 8 |
| MO | 1615 | 11.4 | 3 5 | TU | 1555 | 10.3 | 3 1 |
| LU | 2200 | 2.6 | 8 | MA | 2130 | 3.8 | 1 1 |
| 9 | 0425 | 14.4 | 4 4 | 24 | 0400 | 13.4 | 4 1 |
| | 1110 | 2.1 | 6 | | 1045 | 2.8 | 9 |
| TU | 1705 | 10.6 | 3 2 | WE | 1640 | 10.0 | 3 0 |
| MA | 2250 | 3.3 | 1 0 | ME | 2215 | 3.9 | 1 2 |
| 10 | 0520 | 13.4 | 4 1 | 25 | 0445 | 13.2 | 4 0 |
| | 1210 | 3.0 | 9 | | 1135 | 3.1 | 9 |
| WE | 1800 | 9.9 | 3 0 | TH | 1730 | 9.8 | 3 0 |
| ME | 2345 | 4.1 | 1 2 | JE | 2305 | 4.2 | 1 3 |
| 11 | 0615 | 12.4 | 3 8 | 26 | 0540 | 12.9 | 3 9 |
| | 1310 | 3.9 | 1 2 | | 1230 | 3.3 | 1 0 |
| TH | 1900 | 9.5 | 2 9 | FR | 1830 | 9.6 | 2 9 |
| JE | | | | VE | | | |
| 12 | 0050 | 4.8 | 1 5 | 27 | 0000 | 4.5 | 1 4 |
| | 0720 | 11.5 | 3 5 | | 0635 | 12.5 | 3 8 |
| FR | 1415 | 4.4 | 1 3 | SA | 1325 | 3.5 | 1 1 |
| VE | 2010 | 9.3 | 2 8 | SA | 1930 | 9.8 | 3 0 |
| 13 | 0205 | 5.2 | 1 6 | 28 | 0110 | 4.7 | 1 4 |
| | 0825 | 10.7 | 3 3 | | 0735 | 12.0 | 3 7 |
| SA | 1520 | 4.7 | 1 4 | SU | 1425 | 3.5 | 1 1 |
| SA | 2120 | 9.5 | 2 9 | DI | 2030 | 10.2 | 3 1 |
| 14 | 0325 | 5.2 | 1 6 | 29 | 0225 | 4.7 | 1 4 |
| | 0940 | 10.3 | 3 1 | | 0845 | 11.6 | 3 5 |
| SU | 1615 | 4.8 | 1 5 | MO | 1520 | 3.5 | 1 1 |
| DI | 2225 | 10.1 | 3 1 | LU | 2135 | 10.9 | 3 3 |
| 15 | 0435 | 4.9 | 1 5 | 30 | 0345 | 4.3 | 1 3 |
| | 1045 | 10.1 | 3 1 | | 0955 | 11.4 | 3 5 |
| MO | 1655 | 4.7 | 1 4 | TU | 1615 | 3.4 | 1 0 |
| LU | 2310 | 10.9 | 3 3 | MA | 2235 | 11.9 | 3 6 |
| | | | | 31 | 0500 | 3.6 | 1 1 |
| | | | | | 1100 | 11.3 | 3 4 |
| | | | | WE | 1705 | 3.2 | 1 0 |
| | | | | ME | 2325 | 12.9 | 3 9 |

### JUNE JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0600 | 2.8 | 9 | 16 | 0635 | 3.9 | 1 2 |
| | 1155 | 11.4 | 3 5 | | 1220 | 9.6 | 2 9 |
| TH | 1755 | 3.0 | 9 | FR | 1800 | 4.6 | 1 4 |
| JE | | | | VE | | | |
| 2 | 0015 | 13.9 | 4 2 | 17 | 0030 | 12.7 | 3 9 |
| | 0655 | 2.0 | 6 | | 0720 | 3.4 | 1 0 |
| FR | 1250 | 11.5 | 3 5 | SA | 1305 | 9.9 | 3 0 |
| VE | 1845 | 2.7 | 8 | SA | 1840 | 4.2 | 1 3 |
| 3 | 0105 | 14.7 | 4 5 | 18 | 0110 | 13.1 | 4 0 |
| | 0750 | 1.5 | 5 | | 0755 | 3.0 | 9 |
| SA | 1340 | 11.6 | 3 5 | SU | 1345 | 10.2 | 3 1 |
| SA | 1930 | 2.4 | 7 | DI | 1925 | 3.9 | 1 2 |
| 4 | 0150 | 15.1 | 4 6 | 19 | 0150 | 13.5 | 4 1 |
| | 0835 | 1.2 | 4 | | 0835 | 2.7 | 8 |
| SU | 1425 | 11.6 | 3 5 | MO | 1425 | 10.4 | 3 2 |
| DI | 2015 | 2.3 | 7 | LU | 2005 | 3.5 | 1 1 |
| 5 | 0240 | 15.2 | 4 6 | 20 | 0230 | 13.8 | 4 2 |
| | 0925 | 1.3 | 4 | | 0910 | 2.4 | 7 |
| MO | 1515 | 11.5 | 3 5 | TU | 1505 | 10.6 | 3 2 |
| LU | 2105 | 2.4 | 7 | MA | 2045 | 3.3 | 1 0 |
| 6 | 0325 | 14.8 | 4 5 | 21 | 0310 | 14.0 | 4 3 |
| | 1010 | 1.7 | 5 | | 0950 | 2.2 | 7 |
| TU | 1600 | 11.2 | 3 4 | WE | 1545 | 10.7 | 3 3 |
| MA | 2150 | 2.7 | 8 | ME | 2125 | 3.2 | 1 0 |
| 7 | 0415 | 14.2 | 4 3 | 22 | 0350 | 14.0 | 4 3 |
| | 1055 | 2.3 | 7 | | 1030 | 2.1 | 6 |
| WE | 1650 | 10.8 | 3 3 | TH | 1630 | 10.7 | 3 3 |
| ME | 2235 | 3.2 | 1 0 | JE | 2210 | 3.2 | 1 0 |
| 8 | 0505 | 13.4 | 4 1 | 23 | 0435 | 13.9 | 4 2 |
| | 1145 | 3.0 | 9 | | 1115 | 2.2 | 7 |
| TH | 1740 | 10.5 | 3 2 | FR | 1715 | 10.8 | 3 3 |
| JE | 2330 | 3.8 | 1 2 | VE | 2300 | 3.4 | 1 0 |
| 9 | 0555 | 12.5 | 3 8 | 24 | 0525 | 13.6 | 4 1 |
| | 1235 | 3.7 | 1 1 | | 1200 | 2.4 | 7 |
| FR | 1830 | 10.3 | 3 1 | SA | 1805 | 10.8 | 3 3 |
| VE | | | | SA | 2350 | 3.6 | 1 1 |
| 10 | 0025 | 4.4 | 1 3 | 25 | 0615 | 12.9 | 3 9 |
| | 0645 | 11.6 | 3 5 | | 1250 | 2.7 | 8 |
| SA | 1320 | 4.2 | 1 3 | SU | 1900 | 11.0 | 3 4 |
| SA | 1925 | 10.2 | 3 1 | DI | | | |
| 11 | 0125 | 4.9 | 1 5 | 26 | 0055 | 3.9 | 1 2 |
| | 0740 | 10.7 | 3 3 | | 0710 | 12.1 | 3 7 |
| SU | 1410 | 4.6 | 1 4 | MO | 1340 | 3.1 | 9 |
| DI | 2020 | 10.4 | 3 2 | LU | 1955 | 11.3 | 3 4 |
| 12 | 0235 | 5.1 | 1 6 | 27 | 0205 | 4.1 | 1 2 |
| | 0840 | 10.0 | 3 0 | | 0815 | 11.3 | 3 4 |
| MO | 1455 | 4.9 | 1 5 | TU | 1435 | 3.5 | 1 1 |
| LU | 2120 | 10.7 | 3 3 | MA | 2055 | 11.7 | 3 6 |
| 13 | 0345 | 5.1 | 1 6 | 28 | 0325 | 4.0 | 1 2 |
| | 0940 | 9.5 | 2 9 | | 0925 | 10.6 | 3 2 |
| TU | 1540 | 5.0 | 1 5 | WE | 1535 | 3.8 | 1 2 |
| MA | 2210 | 11.2 | 3 4 | ME | 2200 | 12.3 | 3 7 |
| 14 | 0455 | 4.8 | 1 5 | 29 | 0445 | 3.7 | 1 1 |
| | 1040 | 9.3 | 2 8 | | 1035 | 10.2 | 3 1 |
| WE | 1625 | 5.0 | 1 5 | TH | 1635 | 3.9 | 1 2 |
| ME | 2300 | 11.7 | 3 6 | JE | 2300 | 13.0 | 4 0 |
| 15 | 0550 | 4.4 | 1 3 | 30 | 0555 | 3.1 | 9 |
| | 1135 | 9.4 | 2 9 | | 1140 | 10.2 | 3 1 |
| TH | 1715 | 4.8 | 1 5 | FR | 1735 | 3.7 | 1 1 |
| JE | 2345 | 12.2 | 3 7 | VE | | | |

# POINTE-AU-PERE (EST 2·5)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0000 | **13.6** | 4 1 | 16 | 0000 | **12.2** | 3 7 |
| | 0655 | **2.5** | 8 | | 0700 | **3.7** | 1 1 |
| SA | 1240 | **10.5** | 3 2 | SU | 1245 | **9.4** | 2 9 |
| SA | 1830 | **3.3** | 1 0 | DI | 1820 | **4.3** | 1 3 |
| 2 | 0050 | **14.2** | 4 3 | 17 | 0050 | **12.8** | 3 9 |
| | 0745 | **2.0** | 6 | | 0740 | **3.1** | 9 |
| SU | 1330 | **10.8** | 3 3 | MO | 1325 | **10.0** | 3 0 |
| DI | 1920 | **2.8** | 9 | LU | 1905 | **3.7** | 1 1 |
| 3 | 0145 | **14.6** | 4 5 | 18 | 0135 | **13.5** | 4 1 |
| | 0830 | **1.8** | 5 | | 0815 | **2.4** | 7 |
| MO | 1415 | **11.1** | 3 4 | TU | 1405 | **10.5** | 3 2 |
| LU | 2005 | **2.5** | 8 | MA | 1950 | **3.1** | 9 |
| 4 | 0230 | **14.7** | 4 5 | 19 | 0215 | **14.1** | 4 3 |
| | 0910 | **1.8** | 5 | | 0850 | **1.8** | 5 |
| TU | 1500 | **11.3** | 3 4 | WE | 1445 | **11.1** | 3 4 |
| MA | 2050 | **2.4** | 7 | ME | 2030 | **2.6** | 8 |
| 5 | 0315 | **14.5** | 4 4 | 20 | 0295 | **14.5** | 4 4 |
| | 0950 | **2.0** | 6 | | 0930 | **1.4** | 4 |
| WE | 1545 | **11.4** | 3 5 | TH | 1525 | **11.5** | 3 5 |
| ME | 2135 | **2.5** | 8 | JE | 2115 | **2.3** | 7 |
| 6 | 0400 | **14.0** | 4 3 | 21 | 0335 | **14.7** | 4 5 |
| | 1030 | **2.3** | 7 | | 1005 | **1.2** | 4 |
| TH | 1625 | **11.4** | 3 5 | FR | 1605 | **11.8** | 3 6 |
| JE | 2220 | **2.8** | 9 | VE | 2155 | **2.2** | 7 |
| 7 | 0440 | **13.3** | 4 1 | 22 | 0415 | **14.5** | 4 4 |
| | 1110 | **2.7** | 8 | | 1045 | **1.3** | 4 |
| FR | 1710 | **11.3** | 3 4 | SA | 1650 | **12.0** | 3 7 |
| VE | 2305 | **3.3** | 1 0 | SA | 2245 | **2.3** | 7 |
| 8 | 0520 | **12.4** | 3 8 | 23 | 0500 | **13.9** | 4 2 |
| | 1145 | **3.3** | 1 0 | | 1125 | **1.6** | 5 |
| SA | 1755 | **11.2** | 3 4 | SU | 1735 | **12.1** | 3 7 |
| SA | 2350 | **3.9** | 1 2 | DI | 2335 | **2.7** | 8 |
| 9 | 0605 | **11.5** | 3 5 | 24 | 0550 | **12.9** | 3 9 |
| | 1220 | **3.8** | 1 2 | | 1210 | **2.2** | 7 |
| SU | 1840 | **11.1** | 3 4 | MO | 1830 | **12.2** | 3 7 |
| DI | | | | LU | | | |
| 10 | 0045 | **4.4** | 1 3 | 25 | 0035 | **3.1** | 9 |
| | 0650 | **10.6** | 3 2 | | 0645 | **11.8** | 3 6 |
| MO | 1255 | **4.2** | 1 3 | TU | 1300 | **3.0** | 9 |
| LU | 1925 | **11.1** | 3 4 | MA | 1925 | **12.2** | 3 7 |
| 11 | 0140 | **4.8** | 1 5 | 26 | 0145 | **3.6** | 1 1 |
| | 0740 | **9.7** | 3 0 | | 0750 | **10.6** | 3 2 |
| TU | 1335 | **4.7** | 1 4 | WE | 1355 | **3.7** | 1 1 |
| MA | 2015 | **11.1** | 3 4 | ME | 2025 | **12.2** | 3 7 |
| 12 | 0250 | **5.0** | 1 5 | 27 | 0310 | **3.9** | 1 2 |
| | 0835 | **9.1** | 2 8 | | 0900 | **9.7** | 3 0 |
| WE | 1420 | **5.0** | 1 5 | TH | 1455 | **4.2** | 1 3 |
| ME | 2105 | **11.2** | 3 4 | JE | 2130 | **12.3** | 3 7 |
| 13 | 0405 | **5.0** | 1 5 | 28 | 0440 | **3.8** | 1 2 |
| | 0940 | **8.6** | 2 6 | | 1020 | **9.2** | 2 8 |
| TH | 1520 | **5.2** | 1 6 | FR | 1610 | **4.3** | 1 3 |
| JE | 2205 | **11.4** | 3 5 | VE | 2245 | **12.6** | 3 8 |
| 14 | 0515 | **4.8** | 1 5 | 29 | 0550 | **3.4** | 1 0 |
| | 1050 | **8.6** | 2 6 | | 1135 | **9.3** | 2 8 |
| FR | 1620 | **5.2** | 1 6 | SA | 1720 | **4.1** | 1 2 |
| VE | 2305 | **11.7** | 3 6 | SA | 2350 | **13.0** | 4 0 |
| 15 | 0615 | **4.3** | 1 3 | 30 | 0650 | **2.9** | 9 |
| | 1155 | **8.9** | 2 7 | | 1235 | **9.8** | 3 0 |
| SA | 1725 | **4.9** | 1 5 | SU | 1820 | **3.5** | 1 1 |
| SA | | | | DI | | | |
| | | | | 31 | 0050 | **13.6** | 4 1 |
| | | | | | 0735 | **2.5** | 8 |
| | | | | MO | 1320 | **10.4** | 3 2 |
| | | | | LU | 1910 | **2.9** | 9 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0135 | **14.0** | 4 3 | 16 | 0115 | **13.6** | 4 1 |
| | 0815 | **2.1** | 6 | | 0750 | **2.0** | 6 |
| TU | 1405 | **11.0** | 3 4 | WE | 1345 | **11.0** | 3 4 |
| MA | 1955 | **2.4** | 7 | ME | 1930 | **2.4** | 7 |
| 2 | 0220 | **14.1** | 4 3 | 17 | 0150 | **14.4** | 4 4 |
| | 0850 | **2.0** | 6 | | 0825 | **1.2** | 4 |
| WE | 1440 | **11.5** | 3 5 | TH | 1420 | **11.9** | 3 6 |
| ME | 2040 | **2.1** | 6 | JE | 2015 | **1.7** | 5 |
| 3 | 0255 | **14.0** | 4 3 | 18 | 0230 | **14.8** | 4 5 |
| | 0925 | **2.0** | 6 | | 0900 | **.7** | 2 |
| TH | 1520 | **11.9** | 3 6 | FR | 1500 | **12.6** | 3 8 |
| JE | 2120 | **2.1** | 6 | VE | 2055 | **1.3** | 4 |
| 4 | 0335 | **13.6** | 4 1 | 19 | 0310 | **14.9** | 4 5 |
| | 0955 | **2.1** | 6 | | 0935 | **.5** | 2 |
| FR | 1555 | **12.1** | 3 7 | SA | 1540 | **13.1** | 4 0 |
| VE | 2155 | **2.4** | 7 | SA | 2140 | **1.1** | 3 |
| 5 | 0410 | **13.0** | 4 0 | 20 | 0355 | **14.5** | 4 4 |
| | 1025 | **2.4** | 7 | | 1010 | **.7** | 2 |
| SA | 1635 | **12.1** | 3 7 | SU | 1620 | **13.3** | 4 1 |
| SA | 2235 | **2.6** | 9 | DI | 2225 | **1.3** | 4 |
| 6 | 0445 | **12.2** | 3 7 | 21 | 0440 | **13.6** | 4 1 |
| | 1055 | **2.8** | 9 | | 1050 | **1.3** | 4 |
| SU | 1710 | **12.0** | 3 7 | MO | 1705 | **13.3** | 4 1 |
| DI | 2315 | **3.3** | 1 0 | LU | 2320 | **1.9** | 6 |
| 7 | 0520 | **11.3** | 3 4 | 22 | 0530 | **12.4** | 3 8 |
| | 1125 | **3.3** | 1 0 | | 1135 | **2.1** | 6 |
| MO | 1745 | **11.8** | 3 6 | TU | 1755 | **13.0** | 4 0 |
| LU | | | | MA | | | |
| 8 | 0000 | **3.8** | 1 2 | 23 | 0020 | **2.6** | 8 |
| | 0600 | **10.4** | 3 2 | | 0625 | **11.1** | 3 4 |
| TU | 1155 | **3.6** | 1 2 | WE | 1220 | **3.1** | 9 |
| MA | 1830 | **11.6** | 3 5 | ME | 1855 | **12.6** | 3 8 |
| 9 | 0050 | **4.4** | 1 3 | 24 | 0135 | **3.4** | 1 0 |
| | 0645 | **9.5** | 2 9 | | 0730 | **9.8** | 3 0 |
| WE | 1230 | **4.4** | 1 3 | TH | 1320 | **3.9** | 1 2 |
| ME | 1915 | **11.3** | 3 4 | JE | 2000 | **12.2** | 3 7 |
| 10 | 0150 | **4.9** | 1 5 | 25 | 0305 | **3.9** | 1 2 |
| | 0740 | **8.7** | 2 7 | | 0845 | **8.9** | 2 7 |
| TH | 1315 | **4.9** | 1 5 | FR | 1430 | **4.5** | 1 4 |
| JE | 2010 | **11.0** | 3 4 | VE | 2115 | **11.9** | 3 6 |
| 11 | 0315 | **5.2** | 1 6 | 26 | 0435 | **4.0** | 1 2 |
| | 0845 | **8.1** | 2 5 | | 1010 | **8.6** | 2 6 |
| FR | 1420 | **5.3** | 1 6 | SA | 1600 | **4.6** | 1 4 |
| VE | 2115 | **10.9** | 3 3 | SA | 2235 | **12.0** | 3 7 |
| 12 | 0440 | **5.1** | 1 6 | 27 | 0545 | **3.6** | 1 1 |
| | 1010 | **8.0** | 2 4 | | 1130 | **9.0** | 2 7 |
| SA | 1540 | **5.4** | 1 6 | SU | 1715 | **4.2** | 1 3 |
| SA | 2230 | **11.2** | 3 4 | DI | 2350 | **12.4** | 3 8 |
| 13 | 0550 | **4.5** | 1 4 | 28 | 0640 | **3.2** | 1 0 |
| | 1125 | **8.4** | 2 6 | | 1225 | **9.7** | 3 0 |
| SU | 1700 | **4.9** | 1 5 | MO | 1815 | **3.5** | 1 1 |
| DI | 2340 | **11.8** | 3 6 | LU | | | |
| 14 | 0635 | **3.7** | 1 1 | 29 | 0040 | **12.8** | 3 9 |
| | 1225 | **9.2** | 2 8 | | 0720 | **2.8** | 9 |
| MO | 1800 | **4.2** | 1 3 | TU | 1310 | **10.5** | 3 2 |
| LU | | | | MA | 1900 | **2.8** | 9 |
| 15 | 0030 | **12.7** | 3 9 | 30 | 0125 | **13.3** | 4 1 |
| | 0715 | **2.8** | 9 | | 0755 | **2.4** | 7 |
| TU | 1305 | **10.1** | 3 1 | WE | 1345 | **11.4** | 3 5 |
| MA | 1850 | **3.3** | 1 0 | ME | 1945 | **2.3** | 7 |
| | | | | 31 | 0200 | **13.4** | 4 1 |
| | | | | | 0825 | **2.2** | 7 |
| | | | | TH | 1420 | **12.1** | 3 7 |
| | | | | JE | 2020 | **2.0** | 6 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0235 | **13.4** | 4 1 | 16 | 0205 | **14.6** | 4 5 |
| | 0850 | **2.0** | 6 | | 0825 | **.4** | 1 |
| FR | 1450 | **12.6** | 3 8 | SA | 1430 | **13.8** | 4 2 |
| VE | 2055 | **1.9** | 6 | SA | 2040 | **.6** | 2 |
| 2 | 0305 | **13.0** | 4 0 | 17 | 0250 | **14.5** | 4 4 |
| | 0915 | **2.1** | 6 | | 0900 | **.4** | 1 |
| SA | 1525 | **12.9** | 3 9 | SU | 1510 | **14.4** | 4 4 |
| SA | 2130 | **2.0** | 6 | DI | 2125 | **.4** | 1 |
| 3 | 0335 | **12.5** | 3 8 | 18 | 0330 | **14.0** | 4 3 |
| | 0940 | **2.3** | 7 | | 0940 | **.7** | 2 |
| SU | 1555 | **12.9** | 3 9 | MO | 1550 | **14.5** | 4 4 |
| DI | 2205 | **2.3** | 7 | LU | 2210 | **.6** | 2 |
| 4 | 0410 | **11.8** | 3 6 | 19 | 0420 | **13.0** | 4 0 |
| | 1005 | **2.6** | 8 | | 1020 | **1.4** | 4 |
| MO | 1625 | **12.7** | 3 9 | TU | 1640 | **14.2** | 4 3 |
| LU | 2240 | **2.8** | 9 | MA | 2305 | **1.5** | 5 |
| 5 | 0445 | **11.0** | 3 4 | 20 | 0510 | **11.7** | 3 6 |
| | 1030 | **3.1** | 9 | | 1100 | **2.4** | 7 |
| TU | 1700 | **12.4** | 3 8 | WE | 1730 | **13.6** | 4 1 |
| MA | 2320 | **3.4** | 1 0 | ME | | | |
| 6 | 0520 | **10.1** | 3 1 | 21 | 0005 | **2.4** | 7 |
| | 1100 | **3.7** | 1 1 | | 0605 | **10.4** | 3 2 |
| WE | 1735 | **11.9** | 3 6 | TH | 1150 | **3.4** | 1 0 |
| ME | | | | JE | 1830 | **12.6** | 3 9 |
| 7 | 0005 | **4.1** | 1 2 | 22 | 0120 | **3.4** | 1 0 |
| | 0600 | **9.3** | 2 8 | | 0710 | **9.3** | 2 8 |
| TH | 1135 | **4.3** | 1 3 | FR | 1255 | **4.3** | 1 3 |
| JE | 1825 | **11.4** | 3 5 | VE | 1940 | **12.0** | 3 7 |
| 8 | 0105 | **4.8** | 1 5 | 23 | 0255 | **4.1** | 1 2 |
| | 0650 | **8.5** | 2 6 | | 0830 | **8.8** | 2 6 |
| FR | 1220 | **4.9** | 1 5 | SA | 1420 | **4.8** | 1 5 |
| VE | 1920 | **10.9** | 3 3 | SA | 2100 | **11.5** | 3 5 |
| 9 | 0230 | **5.3** | 1 6 | 24 | 0420 | **4.1** | 1 2 |
| | 0805 | **7.9** | 2 4 | | 1000 | **8.6** | 2 6 |
| SA | 1335 | **5.4** | 1 6 | SU | 1550 | **4.7** | 1 4 |
| SA | 2035 | **10.6** | 3 2 | DI | 2230 | **11.5** | 3 5 |
| 10 | 0410 | **5.1** | 1 6 | 25 | 0530 | **3.9** | 1 2 |
| | 0935 | **7.9** | 2 4 | | 1120 | **9.2** | 2 8 |
| SU | 1510 | **5.4** | 1 6 | MO | 1710 | **4.2** | 1 3 |
| DI | 2200 | **10.9** | 3 3 | LU | 2340 | **11.8** | 3 6 |
| 11 | 0520 | **4.5** | 1 4 | 26 | 0615 | **3.5** | 1 1 |
| | 1100 | **8.5** | 2 6 | | 1210 | **10.1** | 3 1 |
| MO | 1640 | **4.9** | 1 5 | TU | 1805 | **3.5** | 1 1 |
| LU | 2310 | **11.6** | 3 5 | MA | | | |
| 12 | 0605 | **3.6** | 1 1 | 27 | 0025 | **12.2** | 3 7 |
| | 1155 | **9.4** | 2 9 | | 0650 | **3.2** | 1 0 |
| TU | 1740 | **4.0** | 1 2 | WE | 1245 | **11.0** | 3 4 |
| MA | | | | ME | 1850 | **2.9** | 9 |
| 13 | 0005 | **12.6** | 3 8 | 28 | 0105 | **12.4** | 3 8 |
| | 0640 | **2.6** | 8 | | 0720 | **2.9** | 9 |
| WE | 1240 | **10.6** | 3 2 | TH | 1320 | **12.0** | 3 7 |
| ME | 1830 | **2.9** | 9 | JE | 1930 | **2.4** | 7 |
| 14 | 0045 | **13.5** | 4 1 | 29 | 0135 | **12.6** | 3 8 |
| | 0715 | **1.7** | 5 | | 0745 | **2.6** | 8 |
| TH | 1315 | **11.8** | 3 6 | FR | 1350 | **12.7** | 3 9 |
| JE | 1910 | **1.9** | 6 | VE | 2005 | **2.0** | 6 |
| 15 | 0125 | **14.2** | 4 3 | 30 | 0205 | **12.4** | 3 8 |
| | 0750 | **.9** | 3 | | 0810 | **2.4** | 7 |
| FR | 1355 | **12.9** | 3 9 | SA | 1420 | **13.2** | 4 0 |
| VE | 1955 | **1.1** | 3 | SA | 2035 | **1.9** | 6 |

## TABLE DES MARÉES

# POINTE-AU-PERE (HNE Z-5)

1989

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| **OCTOBER-OCTOBRE** | | | | | | | |
| 1 | 0235 | 12.2 | 3.7 | 16 | 0230 | 13.6 | 4.1 |
| | 0835 | 2.4 | .7 | | 0830 | .9 | .3 |
| SU | 1450 | 13.5 | 4.1 | MO | 1445 | 15.3 | 4.7 |
| DI | 2110 | 1.9 | .6 | LU | 2110 | .2 | .1 |
| 2 | 0305 | 11.8 | 3.6 | 17 | 0315 | 13.1 | 4.0 |
| | 0900 | 2.5 | .8 | | 0910 | 1.2 | .4 |
| MO | 1515 | 13.4 | 4.1 | TU | 1530 | 15.2 | 4.6 |
| LU | 2140 | 2.2 | .7 | MA | 2200 | .6 | .2 |
| 3 | 0340 | 11.3 | 3.4 | 18 | 0400 | 12.2 | 3.7 |
| | 0925 | 2.9 | .9 | | 0955 | 1.9 | .6 |
| TU | 1550 | 13.2 | 4.0 | WE | 1615 | 14.7 | 4.5 |
| MA | 2210 | 2.6 | .8 | ME | 2255 | 1.4 | .4 |
| 4 | 0410 | 10.6 | 3.2 | 19 | 0455 | 11.1 | 3.4 |
| | 0955 | 3.3 | 1.0 | | 1040 | 2.7 | .8 |
| WE | 1620 | 12.7 | 3.9 | TH* | 1710 | 13.8 | 4.2 |
| ME | 2250 | 3.2 | 1.0 | JE | 2355 | 2.5 | .8 |
| 5 | 0450 | 9.9 | 3.0 | 20 | 0550 | 10.1 | 3.1 |
| | 1025 | 3.8 | 1.2 | | 1135 | 3.6 | 1.1 |
| TH | 1700 | 12.1 | 3.7 | FR | 1810 | 12.8 | 3.9 |
| JE | 2335 | 3.9 | 1.2 | VE | | | |
| 6 | 0530 | 9.2 | 2.8 | 21 | 0105 | 3.5 | 1.1 |
| | 1100 | 4.4 | 1.3 | | 0655 | 9.3 | 2.8 |
| FR | 1745 | 11.5 | 3.5 | SA | 1240 | 4.4 | 1.3 |
| VE | | | | SA | 1920 | 11.8 | 3.6 |
| 7 | 0030 | 4.6 | 1.4 | 22 | 0230 | 4.1 | 1.2 |
| | 0625 | 8.5 | 2.6 | | 0815 | 8.9 | 2.7 |
| SA | 1150 | 5.0 | 1.5 | SU | 1405 | 4.9 | 1.5 |
| SA | 1845 | 11.0 | 3.4 | DI | 2040 | 11.1 | 3.4 |
| 8 | 0155 | 5.0 | 1.5 | 23 | 0350 | 4.3 | 1.3 |
| | 0740 | 8.1 | 2.5 | | 0940 | 9.0 | 2.7 |
| SU | 1305 | 5.5 | 1.7 | MO | 1535 | 4.9 | 1.5 |
| DI | 2000 | 10.7 | 3.3 | LU | 2205 | 10.9 | 3.3 |
| 9 | 0325 | 4.9 | 1.5 | 24 | 0450 | 4.3 | 1.3 |
| | 0905 | 8.2 | 2.5 | | 1050 | 9.7 | 3.0 |
| MO | 1445 | 5.5 | 1.7 | TU | 1650 | 4.4 | 1.3 |
| LU | 2125 | 10.9 | 3.3 | MA | 2310 | 11.0 | 3.4 |
| 10 | 0430 | 4.3 | 1.3 | 25 | 0535 | 4.1 | 1.2 |
| | 1025 | 8.9 | 2.7 | | 1140 | 10.6 | 3.2 |
| TU | 1610 | 4.9 | 1.5 | WE | 1750 | 3.8 | 1.2 |
| MA | 2235 | 11.5 | 3.5 | ME | | | |
| 11 | 0520 | 3.5 | 1.1 | 26 | 0000 | 11.1 | 3.4 |
| | 1120 | 10.1 | 3.1 | | 0610 | 3.8 | 1.2 |
| WE | 1715 | 3.9 | 1.2 | TH | 1215 | 11.6 | 3.5 |
| ME | 2330 | 12.2 | 3.7 | JE | 1835 | 3.2 | 1.0 |
| 12 | 0600 | 2.6 | .8 | 27 | 0035 | 11.2 | 3.4 |
| | 1205 | 11.4 | 3.5 | | 0640 | 3.5 | 1.1 |
| TH | 1805 | 2.8 | .9 | FR | 1250 | 12.4 | 3.8 |
| JE | | | | VE | 1910 | 2.7 | .8 |
| 13 | 0020 | 13.0 | 4.0 | 28 | 0110 | 11.3 | 3.4 |
| | 0640 | 1.8 | .5 | | 0705 | 3.3 | 1.0 |
| FR | 1245 | 12.8 | 3.9 | SA | 1320 | 13.1 | 4.0 |
| VE | 1855 | 1.7 | .5 | SA | 1945 | 2.3 | .7 |
| 14 | 0100 | 13.5 | 4.1 | 29 | 0140 | 11.4 | 3.5 |
| | 0715 | 1.2 | .4 | | 0730 | 3.1 | .9 |
| SA | 1325 | 14.0 | 4.3 | SU | 1345 | 13.6 | 4.1 |
| SA | 1940 | .9 | .3 | DI | 2020 | 2.1 | .6 |
| 15 | 0145 | 13.8 | 4.2 | 30 | 0210 | 11.3 | 3.4 |
| | 0750 | .6 | .3 | | 0800 | 3.0 | .9 |
| SU | 1405 | 14.8 | 4.5 | MO | 1415 | 13.7 | 4.2 |
| DI | 2025 | .3 | .1 | LU | 2050 | 2.1 | .6 |
| | | | | 31 | 0245 | 11.1 | 3.4 |
| | | | | | 0825 | 3.1 | .9 |
| | | | | TU | 1445 | 13.7 | 4.2 |
| | | | | MA | 2120 | 2.3 | .7 |

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| **NOVEMBER-NOVEMBRE** | | | | | | | |
| 1 | 0315 | 10.8 | 3.3 | 16 | 0350 | 11.6 | 3.5 |
| | 0855 | 3.3 | 1.0 | | 0935 | 2.2 | .7 |
| WE | 1520 | 13.4 | 4.1 | TH | 1600 | 14.9 | 4.5 |
| ME | 2155 | 2.6 | .8 | JE | 2245 | 1.5 | .5 |
| 2 | 0350 | 10.3 | 3.1 | 17 | 0440 | 10.9 | 3.3 |
| | 0930 | 3.6 | 1.1 | | 1025 | 2.8 | .9 |
| TH | 1555 | 13.0 | 4.0 | FR | 1655 | 14.0 | 4.3 |
| JE | 2235 | 3.1 | .9 | VE | 2340 | 2.4 | .7 |
| 3 | 0430 | 9.8 | 3.0 | 18 | 0535 | 10.3 | 3.1 |
| | 1005 | 4.0 | 1.2 | | 1120 | 3.6 | 1.1 |
| FR | 1635 | 12.5 | 3.8 | SA | 1750 | 12.9 | 3.9 |
| VE | 2320 | 3.6 | 1.1 | SA | | | |
| 4 | 0515 | 9.3 | 2.8 | 19 | 0045 | 3.3 | 1.0 |
| | 1045 | 4.5 | 1.4 | | 0635 | 9.8 | 3.0 |
| SA | 1725 | 11.9 | 3.6 | SU | 1225 | 4.3 | 1.3 |
| SA | | | | DI | 1855 | 11.8 | 3.6 |
| 5 | 0015 | 4.1 | 1.2 | 20 | 0150 | 4.0 | 1.2 |
| | 0615 | 8.9 | 2.7 | | 0740 | 9.6 | 2.9 |
| SU | 1140 | 4.9 | 1.5 | MO | 1340 | 4.8 | 1.5 |
| DI | 1825 | 11.5 | 3.5 | LU | 2000 | 10.9 | 3.3 |
| 6 | 0125 | 4.3 | 1.3 | 21 | 0255 | 4.4 | 1.3 |
| | 0720 | 8.7 | 2.7 | | 0855 | 9.7 | 3.0 |
| MO | 1250 | 5.3 | 1.6 | TU | 1505 | 5.0 | 1.5 |
| LU | 1930 | 11.1 | 3.4 | MA | 2115 | 10.3 | 3.1 |
| 7 | 0235 | 4.3 | 1.3 | 22 | 0350 | 4.6 | 1.4 |
| | 0835 | 9.0 | 2.7 | | 1000 | 10.3 | 3.1 |
| TU | 1420 | 5.3 | 1.6 | WE | 1620 | 4.7 | 1.4 |
| MA | 2045 | 11.0 | 3.4 | ME | 2225 | 10.0 | 3.0 |
| 8 | 0335 | 4.0 | 1.2 | 23 | 0435 | 4.6 | 1.4 |
| | 0945 | 9.8 | 3.0 | | 1050 | 11.0 | 3.4 |
| WE | 1540 | 4.8 | 1.5 | TH | 1720 | 4.3 | 1.3 |
| ME | 2155 | 11.2 | 3.4 | JE | 2320 | 9.9 | 3.0 |
| 9 | 0430 | 3.5 | 1.1 | 24 | 0515 | 4.5 | 1.4 |
| | 1040 | 10.9 | 3.3 | | 1135 | 11.8 | 3.6 |
| TH | 1650 | 3.9 | 1.2 | FR | 1810 | 3.8 | 1.2 |
| JE | 2255 | 11.6 | 3.5 | VE | | | |
| 10 | 0515 | 2.9 | .9 | 25 | 0005 | 10.0 | 3.0 |
| | 1120 | 12.2 | 3.7 | | 0550 | 4.3 | 1.3 |
| FR | 1750 | 2.9 | .9 | SA | 1210 | 12.5 | 3.8 |
| VE | 2350 | 12.0 | 3.7 | SA | 1855 | 3.3 | 1.0 |
| 11 | 0600 | 2.4 | .7 | 26 | 0040 | 10.2 | 3.1 |
| | 1215 | 13.4 | 4.1 | | 0625 | 4.0 | 1.2 |
| SA | 1840 | 1.9 | .6 | SU | 1245 | 13.0 | 4.0 |
| SA | | | | DI | 1930 | 2.8 | .9 |
| 12 | 0040 | 12.4 | 3.8 | 27 | 0120 | 10.3 | 3.1 |
| | 0640 | 1.9 | .6 | | 0700 | 3.8 | 1.2 |
| SU | 1300 | 14.6 | 4.5 | MO | 1320 | 13.4 | 4.1 |
| DI | 1930 | 1.0 | .3 | LU | 2005 | 2.6 | .8 |
| 13 | 0130 | 12.6 | 3.8 | 28 | 0150 | 10.5 | 3.2 |
| | 0725 | 1.6 | .5 | | 0730 | 3.6 | 1.1 |
| MO | 1340 | 15.3 | 4.7 | TU | 1355 | 13.6 | 4.1 |
| LU | 2020 | .5 | .2 | MA | 2035 | 2.4 | .7 |
| 14 | 0215 | 12.5 | 3.8 | 29 | 0225 | 10.5 | 3.2 |
| | 0810 | 1.5 | .5 | | 0805 | 3.5 | 1.1 |
| TU | 1425 | 15.6 | 4.8 | WE | 1430 | 13.6 | 4.1 |
| MA | 2105 | .4 | .1 | ME | 2110 | 2.4 | .7 |
| 15 | 0300 | 12.2 | 3.7 | 30 | 0305 | 10.5 | 3.2 |
| | 0850 | 1.7 | .5 | | 0840 | 3.5 | 1.1 |
| WE | 1515 | 15.5 | 4.7 | TH | 1505 | 13.5 | 4.1 |
| ME | 2155 | .8 | .2 | JE | 2145 | 2.5 | .8 |

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| **DECEMBER-DECEMBRE** | | | | | | | |
| 1 | 0340 | 10.3 | 3.1 | 16 | 0425 | 11.2 | 3.4 |
| | 0915 | 3.5 | 1.1 | | 1015 | 2.5 | .8 |
| FR | 1545 | 13.3 | 4.1 | SA | 1640 | 14.1 | 4.3 |
| VE | 2225 | 2.7 | .8 | SA | 2320 | 2.2 | .7 |
| 2 | 0420 | 10.1 | 3.1 | 17 | 0515 | 10.9 | 3.3 |
| | 0955 | 3.8 | 1.2 | | 1105 | 3.1 | .9 |
| SA | 1625 | 13.1 | 4.0 | SU | 1730 | 13.0 | 4.0 |
| SA | 2305 | 2.9 | .9 | DI | | | |
| 3 | 0505 | 9.8 | 3.0 | 18 | 0005 | 2.9 | .9 |
| | 1040 | 4.0 | 1.2 | | 0605 | 10.6 | 3.2 |
| SU | 1710 | 12.7 | 3.9 | MO | 1200 | 3.8 | 1.2 |
| DI | 2355 | 3.2 | 1.0 | LU | 1820 | 11.9 | 3.6 |
| 4 | 0600 | 9.7 | 3.0 | 19 | 0055 | 3.6 | 1.1 |
| | 1130 | 4.4 | 1.3 | | 0700 | 10.4 | 3.2 |
| MO | 1800 | 12.2 | 3.7 | TU | 1300 | 4.5 | 1.4 |
| LU | | | | MA | 1910 | 10.8 | 3.3 |
| 5 | 0045 | 3.4 | 1.0 | 20 | 0140 | 4.2 | 1.3 |
| | 0655 | 9.8 | 3.0 | | 0755 | 10.4 | 3.2 |
| TU | 1235 | 4.7 | 1.4 | WE | 1410 | 4.9 | 1.5 |
| MA | 1900 | 11.7 | 3.6 | ME | 2010 | 9.9 | 3.0 |
| 6 | 0140 | 3.5 | 1.1 | 21 | 0230 | 4.7 | 1.4 |
| | 0755 | 10.1 | 3.1 | | 0855 | 10.6 | 3.2 |
| WE | 1345 | 4.8 | 1.5 | TH | 1525 | 5.0 | 1.5 |
| ME | 2005 | 11.2 | 3.4 | JE | 2115 | 9.2 | 2.8 |
| 7 | 0240 | 3.6 | 1.1 | 22 | 0315 | 4.9 | 1.5 |
| | 0900 | 10.6 | 3.2 | | 0950 | 11.0 | 3.4 |
| TH | 1510 | 4.6 | 1.4 | FR | 1640 | 4.8 | 1.5 |
| JE | 2115 | 10.8 | 3.3 | VE | 2220 | 8.9 | 2.7 |
| 8 | 0335 | 3.6 | 1.1 | 23 | 0410 | 5.0 | 1.5 |
| | 1000 | 11.5 | 3.5 | | 1045 | 11.4 | 3.5 |
| FR | 1625 | 4.6 | 1.2 | SA | 1740 | 4.4 | 1.3 |
| VE | 2225 | 10.7 | 3.3 | SA | 2325 | 8.9 | 2.7 |
| 9 | 0430 | 3.4 | 1.0 | 24 | 0500 | 4.9 | 1.5 |
| | 1055 | 12.5 | 3.8 | | 1135 | 11.5 | 3.6 |
| SA | 1735 | 3.2 | 1.0 | SU | 1835 | 3.9 | 1.2 |
| SA | 2330 | 10.8 | 3.3 | DI | | | |
| 10 | 0525 | 3.1 | .9 | 25 | 0015 | 9.2 | 2.8 |
| | 1150 | 13.6 | 4.1 | | 0550 | 4.6 | 1.4 |
| SU | 1835 | 2.2 | .7 | MO | 1220 | 12.4 | 3.8 |
| DI | | | | LU | 1915 | 3.4 | 1.0 |
| 11 | 0025 | 11.1 | 3.4 | 26 | 0100 | 9.5 | 2.9 |
| | 0620 | 2.7 | .8 | | 0635 | 4.2 | 1.3 |
| MO | 1240 | 14.5 | 4.4 | TU | 1300 | 12.9 | 3.9 |
| LU | 1925 | 1.5 | .5 | MA | 1950 | 3.0 | .9 |
| 12 | 0115 | 11.3 | 3.4 | 27 | 0135 | 9.9 | 3.0 |
| | 0705 | 2.3 | .7 | | 0715 | 3.8 | 1.2 |
| TU | 1330 | 15.2 | 4.6 | WE | 1340 | 13.3 | 4.1 |
| MA | 2015 | 1.0 | .3 | ME | 2025 | 2.6 | .8 |
| 13 | 0205 | 11.5 | 3.5 | 28 | 0215 | 10.2 | 3.1 |
| | 0755 | 1.9 | .6 | | 0755 | 3.4 | 1.0 |
| WE | 1415 | 15.5 | 4.7 | TH | 1420 | 13.6 | 4.1 |
| ME | 2100 | .8 | .2 | JE | 2100 | 2.3 | .7 |
| 14 | 0250 | 11.6 | 3.5 | 29 | 0250 | 10.5 | 3.2 |
| | 0840 | 1.8 | .5 | | 0830 | 3.1 | .9 |
| TH | 1505 | 15.4 | 4.7 | FR | 1455 | 13.9 | 4.2 |
| JE | 2145 | 1.0 | .3 | VE | 2135 | 2.0 | .6 |
| 15 | 0340 | 11.4 | 3.5 | 30 | 0330 | 10.7 | 3.3 |
| | 0925 | 2.0 | .6 | | 0910 | 2.9 | .9 |
| FR | 1550 | 14.9 | 4.5 | SA | 1535 | 14.0 | 4.3 |
| VE | 2235 | 1.5 | .5 | SA | 2210 | 1.9 | .6 |
| | | | | 31 | 0405 | 10.8 | 3.3 |
| | | | | | 0950 | 2.9 | .9 |
| | | | | SU | 1610 | 13.9 | 4.2 |
| | | | | DI | 2245 | 1.9 | .6 |

# QUEBEC (EST 5)



1989

## JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0025 | 12.2 | 3.7 | 16 | 0055 | 13.3 | 4.1 |
| | 0725 | 2.3 | .7 | | 0755 | 1.9 | .6 |
| SU | 1300 | 13.2 | 4.0 | MO | 1325 | 15.2 | 4.6 |
| DI | 2015 | 2.6 | .8 | LU | 2110 | 1.6 | .5 |
| 2 | 0130 | 11.8 | 3.5 | 17 | 0215 | 12.5 | 3.8 |
| | 0820 | 2.5 | .8 | | 0900 | 2.1 | .6 |
| MO | 1400 | 13.4 | 4.1 | TU | 1435 | 15.3 | 4.7 |
| LU | 2125 | 2.2 | .7 | MA | 2225 | 1.5 | .5 |
| 3 | 0240 | 11.4 | 3.5 | 18 | 0330 | 12.3 | 3.7 |
| | 0920 | 2.5 | .8 | | 1015 | 2.0 | .6 |
| TU | 1455 | 14.1 | 4.3 | WE | 1545 | 15.7 | 4.8 |
| MA | 2235 | 1.8 | .5 | ME | 2340 | 1.3 | .4 |
| 4 | 0345 | 11.7 | 3.6 | 19 | 0435 | 12.6 | 3.8 |
| | 1015 | 2.4 | .7 | | 1120 | 1.9 | .6 |
| WE | 1550 | 14.9 | 4.5 | TH | 1650 | 16.3 | 5.0 |
| ME | 2335 | 1.4 | .4 | JE | | | |
| 5 | 0435 | 12.2 | 3.7 | 20 | 0040 | 1.2 | .4 |
| | 1110 | 2.0 | .6 | | 0530 | 13.0 | 4.0 |
| TH | 1640 | 15.8 | 4.8 | FR | 1225 | 1.6 | .5 |
| JE | | | | VE | 1740 | 16.8 | 5.1 |
| 6 | 0030 | 1.1 | .3 | 21 | 0130 | 1.2 | .4 |
| | 0525 | 12.8 | 3.9 | | 0615 | 13.5 | 4.1 |
| FR | 1205 | 1.7 | .5 | SA | 1315 | 1.4 | .4 |
| VE | 1730 | 16.7 | 5.1 | SA | 1825 | 17.1 | 5.2 |
| 7 | 0120 | 1.0 | .3 | 22 | 0210 | 1.3 | .4 |
| | 0610 | 13.4 | 4.1 | | 0655 | 13.9 | 4.2 |
| SA | 1300 | 1.5 | .5 | SU | 1400 | 1.3 | .4 |
| SA | 1815 | 17.5 | 5.3 | DI | 1905 | 17.2 | 5.2 |
| 8 | 0210 | .9 | .3 | 23 | 0245 | 1.3 | .4 |
| | 0655 | 14.1 | 4.3 | | 0735 | 14.3 | 4.4 |
| SU | 1350 | 1.3 | .4 | MO | 1440 | 1.3 | .4 |
| DI | 1900 | 18.1 | 5.5 | LU | 1945 | 17.1 | 5.2 |
| 9 | 0255 | .9 | .3 | 24 | 0320 | 1.4 | .4 |
| | 0735 | 14.8 | 4.5 | | 0810 | 14.7 | 4.5 |
| MO | 1445 | 1.2 | .4 | TU | 1515 | 1.4 | .4 |
| LU | 1945 | 18.4 | 5.6 | MA | 2015 | 16.8 | 5.1 |
| 10 | 0335 | .9 | .3 | 25 | 0350 | 1.6 | .5 |
| | 0815 | 15.4 | 4.7 | | 0840 | 14.9 | 4.5 |
| TU | 1530 | 1.1 | .3 | WE | 1550 | 1.5 | .5 |
| MA | 2030 | 18.1 | 5.5 | ME | 2050 | 16.3 | 5.0 |
| 11 | 0415 | .9 | .3 | 26 | 0420 | 1.6 | .5 |
| | 0900 | 15.7 | 4.8 | | 0915 | 14.9 | 4.5 |
| WE | 1615 | 1.0 | .3 | TH | 1620 | 1.6 | .5 |
| ME | 2110 | 17.5 | 5.3 | JE | 2125 | 15.5 | 4.7 |
| 12 | 0455 | .9 | .3 | 27 | 0445 | 1.7 | .5 |
| | 0940 | 15.7 | 4.8 | | 0950 | 14.7 | 4.5 |
| TH | 1705 | 1.0 | .3 | FR | 1655 | 1.8 | .5 |
| JE | 2200 | 16.8 | 5.1 | VE | 2200 | 14.5 | 4.4 |
| 13 | 0530 | 1.0 | .3 | 28 | 0515 | 1.7 | .5 |
| | 1030 | 15.6 | 4.8 | | 1025 | 14.4 | 4.4 |
| FR | 1755 | 1.1 | .3 | SA | 1730 | 2.1 | .6 |
| VE | 2250 | 15.6 | 4.8 | SA | 2240 | 13.4 | 4.1 |
| 14 | 0615 | 1.2 | .4 | 29 | 0540 | 2.0 | .6 |
| | 1120 | 15.5 | 4.7 | | 1105 | 14.1 | 4.3 |
| SA | 1850 | 1.4 | .4 | SU | 1815 | 2.4 | .7 |
| SA | 2350 | 14.4 | 4.4 | DI | 2325 | 12.2 | 3.7 |
| 15 | 0700 | 1.6 | .5 | 30 | 0615 | 2.4 | .7 |
| | 1220 | 15.3 | 4.7 | | 1150 | 13.7 | 4.2 |
| SU | 1955 | 1.6 | .5 | MO | 1910 | 2.6 | .8 |
| DI | | | | LU | | | |
| | | | | 31 | 0025 | 11.3 | 3.4 |
| | | | | | 0705 | 2.0 | .9 |
| | | | | TU | 1255 | 13.6 | 4.1 |
| | | | | MA | 2020 | 2.6 | .8 |

## FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0140 | 10.8 | 3.3 | 16 | 0315 | 11.6 | 3.5 |
| | 0810 | 3.1 | .9 | | 0950 | 2.8 | .9 |
| WE | 1400 | 13.8 | 4.2 | TH | 1535 | 15.1 | 4.6 |
| ME | 2140 | 2.3 | .7 | JE | 2320 | 1.9 | .6 |
| 2 | 0255 | 10.9 | 3.3 | 17 | 0430 | 12.3 | 3.7 |
| | 0925 | 2.9 | .9 | | 1110 | 2.5 | .8 |
| TH | 1510 | 14.5 | 4.4 | FR | 1640 | 15.7 | 4.8 |
| JE | 2255 | 1.8 | .5 | VE | | | |
| 3 | 0405 | 11.6 | 3.5 | 18 | 0025 | 1.8 | .5 |
| | 1040 | 2.4 | .7 | | 0520 | 13.1 | 4.0 |
| FR | 1615 | 15.5 | 4.7 | SA | 1215 | 2.1 | .6 |
| VE | | | | SA | 1730 | 16.3 | 5.0 |
| 4 | 0005 | 1.4 | .4 | 19 | 0110 | 1.7 | .5 |
| | 0505 | 12.5 | 3.8 | | 0605 | 13.9 | 4.2 |
| SA | 1145 | 1.8 | .5 | SU | 1305 | 1.8 | .5 |
| SA | 1710 | 16.6 | 5.1 | DI | 1815 | 16.7 | 5.1 |
| 5 | 0100 | 1.1 | .3 | 20 | 0150 | 1.6 | .5 |
| | 0550 | 13.7 | 4.2 | | 0640 | 14.5 | 4.4 |
| SU | 1245 | 1.4 | .4 | MO | 1345 | 1.5 | .5 |
| DI | 1800 | 17.6 | 5.4 | LU | 1850 | 16.9 | 5.2 |
| 6 | 0150 | 1.0 | .3 | 21 | 0220 | 1.7 | .5 |
| | 0635 | 14.9 | 4.5 | | 0710 | 15.2 | 4.6 |
| MO | 1340 | 1.2 | .4 | TU | 1425 | 1.5 | .5 |
| LU | 1845 | 18.4 | 5.6 | MA | 1920 | 16.9 | 5.2 |
| 7 | 0235 | 1.0 | .3 | 22 | 0250 | 1.8 | .5 |
| | 0715 | 16.1 | 4.9 | | 0740 | 15.8 | 4.8 |
| TU | 1435 | 1.1 | .3 | WE | 1455 | 1.6 | .5 |
| MA | 1925 | 16.7 | 5.7 | ME | 1950 | 16.7 | 5.1 |
| 8 | 0315 | 1.0 | .3 | 23 | 0315 | 1.9 | .6 |
| | 0755 | 16.9 | 5.2 | | 0805 | 16.1 | 4.9 |
| WE | 1520 | 1.0 | .3 | TH | 1530 | 1.7 | .5 |
| ME | 2010 | 18.5 | 5.6 | JE | 2020 | 16.3 | 5.0 |
| 9 | 0350 | 1.0 | .3 | 24 | 0340 | 2.0 | .6 |
| | 0830 | 17.3 | 5.3 | | 0835 | 16.1 | 4.9 |
| TH | 1610 | .9 | .3 | FR | 1600 | 1.8 | .5 |
| JE | 2050 | 17.7 | 5.4 | VE | 2055 | 15.6 | 4.8 |
| 10 | 0425 | 1.0 | .3 | 25 | 0405 | 1.9 | .6 |
| | 0915 | 17.3 | 5.3 | | 0905 | 15.8 | 4.8 |
| FR | 1650 | .9 | .3 | SA | 1630 | 1.8 | .5 |
| VE | 2135 | 16.7 | 5.1 | SA | 2125 | 14.7 | 4.5 |
| 11 | 0500 | 1.2 | .4 | 26 | 0430 | 1.9 | .6 |
| | 0955 | 17.0 | 5.2 | | 0940 | 15.5 | 4.7 |
| SA | 1740 | 1.1 | .3 | SU | 1700 | 2.0 | .6 |
| SA | 2225 | 15.4 | 4.7 | DI | 2155 | 13.7 | 4.2 |
| 12 | 0535 | 1.5 | .5 | 27 | 0450 | 2.1 | .6 |
| | 1045 | 16.5 | 5.0 | | 1015 | 15.0 | 4.6 |
| SU | 1825 | 1.5 | .5 | MO | 1735 | 2.4 | .7 |
| DI | 2320 | 13.9 | 4.2 | LU | 2235 | 12.6 | 3.8 |
| 13 | 0615 | 1.9 | .6 | 28 | 0520 | 2.7 | .8 |
| | 1140 | 15.8 | 4.8 | | 1055 | 14.5 | 4.4 |
| MO | 1930 | 1.8 | .5 | TU | 1825 | 2.7 | .8 |
| LU | | | | MA | 2335 | 11.5 | 3.5 |
| 14 | 0030 | 12.6 | 3.8 | | | | |
| | 0715 | 2.4 | .7 | | | | |
| TU | 1250 | 15.1 | 4.6 | | | | |
| MA | 2040 | 2.0 | .6 | | | | |
| 15 | 0150 | 11.7 | 3.6 | | | | |
| | 0830 | 2.8 | .9 | | | | |
| WE | 1415 | 14.8 | 4.5 | | | | |
| ME | 2205 | 2.0 | .6 | | | | |

## MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0610 | 3.3 | 1.0 | 16 | 0130 | 11.6 | 3.5 |
| | 1155 | 14.0 | 4.3 | | 0805 | 3.5 | 1.1 |
| WE | 1930 | 2.9 | .9 | TH | 1350 | 14.7 | 4.5 |
| ME | | | | JE | 2140 | 2.7 | .8 |
| 2 | 0050 | 10.8 | 3.3 | 17 | 0255 | 11.8 | 3.6 |
| | 0720 | 3.5 | 1.1 | | 0935 | 3.5 | 1.1 |
| TH | 1315 | 13.9 | 4.2 | FR | 1515 | 14.9 | 4.5 |
| JE | 2100 | 2.7 | .8 | VE | 2300 | 2.6 | .8 |
| 3 | 0215 | 10.9 | 3.3 | 18 | 0410 | 12.8 | 3.9 |
| | 0850 | 3.3 | 1.0 | | 1055 | 3.2 | 1.0 |
| FR | 1435 | 14.5 | 4.4 | SA | 1625 | 15.5 | 4.7 |
| VE | 2220 | 2.2 | .7 | SA | | | |
| 4 | 0335 | 11.8 | 3.6 | 19 | 0000 | 2.4 | .7 |
| | 1015 | 2.7 | .8 | | 0500 | 13.9 | 4.2 |
| SA | 1550 | 15.5 | 4.7 | SU | 1200 | 2.7 | .8 |
| SA | 2335 | 1.8 | .5 | DI | 1710 | 16.1 | 4.9 |
| 5 | 0435 | 13.2 | 4.0 | 20 | 0045 | 2.2 | .7 |
| | 1130 | 2.1 | .6 | | 0540 | 14.8 | 4.5 |
| SU | 1645 | 16.7 | 5.1 | MO | 1245 | 2.3 | .7 |
| DI | | | | LU | 1750 | 16.5 | 5.0 |
| 6 | 0035 | 1.5 | .5 | 21 | 0120 | 2.1 | .6 |
| | 0525 | 14.8 | 4.5 | | 0610 | 15.6 | 4.8 |
| MO | 1235 | 1.6 | .5 | TU | 1330 | 2.0 | .6 |
| LU | 1735 | 17.8 | 5.4 | MA | 1825 | 16.7 | 5.1 |
| 7 | 0125 | 1.3 | .4 | 22 | 0150 | 2.2 | .7 |
| | 0605 | 16.3 | 5.0 | | 0635 | 16.3 | 5.0 |
| TU | 1330 | 1.3 | .4 | WE | 1405 | 1.9 | .6 |
| MA | 1820 | 18.5 | 5.6 | ME | 1855 | 16.7 | 5.1 |
| 8 | 0205 | 1.3 | .4 | 23 | 0215 | 2.3 | .7 |
| | 0645 | 17.6 | 5.4 | | 0705 | 16.9 | 5.2 |
| WE | 1420 | 1.1 | .3 | TH | 1435 | 1.9 | .6 |
| ME | 1905 | 18.7 | 5.7 | JE | 1925 | 16.6 | 5.1 |
| 9 | 0245 | 1.3 | .4 | 24 | 0240 | 2.4 | .7 |
| | 0720 | 18.5 | 5.6 | | 0730 | 17.2 | 5.2 |
| TH | 1505 | 1.1 | .3 | FR | 1505 | 2.0 | .6 |
| JE | 1945 | 18.5 | 5.6 | VE | 1950 | 16.2 | 4.9 |
| 10 | 0320 | 1.4 | .4 | 25 | 0305 | 2.4 | .7 |
| | 0800 | 18.9 | 5.8 | | 0800 | 17.2 | 5.2 |
| FR | 1555 | 1.1 | .3 | SA | 1535 | 2.1 | .6 |
| VE | 2030 | 17.8 | 5.4 | SA | 2020 | 15.6 | 4.8 |
| 11 | 0355 | 1.5 | .5 | 26 | 0330 | 2.4 | .7 |
| | 0840 | 18.8 | 5.7 | | 0830 | 16.9 | 5.2 |
| SA | 1635 | 1.3 | .4 | SU | 1605 | 2.1 | .6 |
| SA | 2110 | 16.6 | 5.1 | DI | 2055 | 14.8 | 4.5 |
| 12 | 0430 | 1.7 | .5 | 27 | 0355 | 2.3 | .7 |
| | 0925 | 18.2 | 5.5 | | 0905 | 16.4 | 5.0 |
| SU | 1720 | 1.5 | .5 | MO | 1640 | 2.2 | .7 |
| DI | 2200 | 15.2 | 4.6 | LU | 2130 | 13.9 | 4.2 |
| 13 | 0505 | 1.9 | .6 | 28 | 0420 | 2.5 | .8 |
| | 1015 | 17.3 | 5.3 | | 0940 | 15.9 | 4.8 |
| MO | 1805 | 1.9 | .6 | TU | 1715 | 2.4 | .7 |
| LU | 2255 | 13.7 | 4.2 | MA | 2210 | 13.0 | 4.0 |
| 14 | 0550 | 2.4 | .7 | 29 | 0450 | 2.9 | .9 |
| | 1115 | 16.1 | 4.9 | | 1020 | 15.3 | 4.7 |
| TU | 1905 | 2.3 | .7 | WE | 1800 | 2.7 | .8 |
| MA | | | | ME | 2305 | 12.0 | 3.7 |
| 15 | 0005 | 12.3 | 3.7 | 30 | 0540 | 3.4 | 1.0 |
| | 0650 | 3.0 | .9 | | 1120 | 14.7 | 4.5 |
| WE | 1225 | 15.2 | 4.6 | TH | 1905 | 2.9 | .9 |
| ME | 2015 | 2.6 | .8 | JE | | | |
| | | | | 31 | 0020 | 11.5 | 3.5 |
| | | | | | 0655 | 3.6 | 1.1 |
| | | | | FR | 1240 | 14.4 | 4.4 |
| | | | | VE | 2030 | 2.8 | .9 |

## TABLE DES MARÉES

# QUEBEC (JUNE / JUIN)

1989

### APRIL-AVRIL

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0145 | 11.7 | | 3 | 6 | 16 | 0335 | 13.5 | | 4 | 1 |
| | 0825 | 3.4 | | 1 | 0 | | 1030 | 3.5 | | 1 | 1 |
| SA | 1405 | 14.8 | | 4 | 5 | SU | 1550 | 15.2 | | 4 | 6 |
| SA | 2150 | 2.4 | | 7 | | DI | 2320 | 2.8 | | 9 | |
| 2 | 0300 | 12.8 | | 3 | 9 | 17 | 0425 | 14.5 | | 4 | 4 |
| | 0955 | 2.9 | | 9 | | | 1135 | 3.0 | | 9 | |
| SU | 1520 | 15.7 | | 4 | 8 | MO | 1640 | 15.5 | | 4 | 7 |
| DI | 2305 | 2.1 | | 6 | | LU | | | | | |
| 3 | 0400 | 14.4 | | 4 | 4 | 18 | 0005 | 2.8 | | 8 | |
| | 1110 | 2.3 | | 7 | | | 0500 | 15.5 | | 4 | 7 |
| MO | 1620 | 16.7 | | 5 | 1 | TU | 1220 | 2.6 | | 8 | |
| LU | | | | | | MA | 1715 | 15.8 | | 4 | 8 |
| 4 | 0000 | 1.9 | | 6 | | 19 | 0035 | 2.5 | | 8 | |
| | 0450 | 16.1 | | 4 | 9 | | 0530 | 16.3 | | 5 | 0 |
| TU | 1215 | 1.8 | | 5 | | WE | 1300 | 2.3 | | 7 | |
| MA | 1710 | 17.6 | | 5 | 4 | ME | 1750 | 16.0 | | 4 | 9 |
| 5 | 0050 | 1.7 | | 5 | | 20 | 0110 | 2.6 | | 8 | |
| | 0530 | 17.7 | | 5 | 4 | | 0600 | 16.9 | | 5 | 2 |
| WE | 1315 | 1.4 | | 4 | | TH | 1340 | 2.2 | | 7 | |
| ME | 1755 | 18.1 | | 5 | 5 | JE | 1825 | 16.2 | | 4 | 9 |
| 6 | 0130 | 1.7 | | 5 | | 21 | 0140 | 2.6 | | 8 | |
| | 0610 | 18.9 | | 5 | 8 | | 0630 | 17.5 | | 5 | 3 |
| TH | 1405 | 1.3 | | 4 | | FR | 1410 | 2.2 | | 7 | |
| JE | 1835 | 18.3 | | 5 | 6 | VE | 1855 | 16.1 | | 4 | 9 |
| 7 | 0210 | 1.7 | | 5 | | 22 | 0205 | 2.7 | | 8 | |
| | 0650 | 19.7 | | 6 | 0 | | 0700 | 17.8 | | 5 | 4 |
| FR | 1450 | 1.4 | | 4 | | SA | 1445 | 2.2 | | 7 | |
| VE | 1920 | 18.0 | | 5 | 5 | SA | 1925 | 15.8 | | 4 | 8 |
| 8 | 0250 | 1.9 | | 6 | | 23 | 0235 | 2.6 | | 8 | |
| | 0730 | 20.0 | | 6 | 1 | | 0730 | 17.8 | | 5 | 4 |
| SA | 1535 | 1.5 | | 5 | | SU | 1520 | 2.2 | | 7 | |
| SA | 2005 | 17.4 | | 5 | 3 | DI | 1955 | 15.3 | | 4 | 7 |
| 9 | 0325 | 2.1 | | 6 | | 24 | 0305 | 2.6 | | 8 | |
| | 0815 | 19.7 | | 6 | 0 | | 0805 | 17.6 | | 5 | 4 |
| SU | 1620 | 1.8 | | 5 | | MO | 1550 | 2.2 | | 7 | |
| DI | 2050 | 16.4 | | 5 | 0 | LU | 2030 | 14.7 | | 4 | 5 |
| 10 | 0405 | 2.2 | | 7 | | 25 | 0335 | 2.5 | | 8 | |
| | 0900 | 18.9 | | 5 | 8 | | 0840 | 17.2 | | 5 | 2 |
| MO | 1705 | 2.0 | | 6 | | TU | 1625 | 2.3 | | 7 | |
| LU | 2140 | 15.1 | | 4 | 6 | MA | 2110 | 14.0 | | 4 | 3 |
| 11 | 0445 | 2.4 | | 7 | | 26 | 0410 | 2.6 | | 8 | |
| | 0955 | 17.7 | | 5 | 4 | | 0920 | 16.7 | | 5 | 1 |
| TU | 1750 | 2.3 | | 7 | | WE | 1705 | 2.4 | | 7 | |
| MA | 2240 | 13.8 | | 4 | 2 | ME | 2155 | 13.4 | | 4 | 1 |
| 12 | 0530 | 2.9 | | 9 | | 27 | 0445 | 2.9 | | 9 | |
| | 1055 | 16.5 | | 5 | 0 | | 1005 | 16.1 | | 4 | 9 |
| WE | 1845 | 2.7 | | 8 | | TH | 1755 | 2.5 | | 8 | |
| ME | 2345 | 12.7 | | 3 | 9 | JE | 2250 | 12.9 | | 3 | 9 |
| 13 | 0630 | 3.4 | | 1 | 0 | 28 | 0540 | 3.2 | | 1 | 0 |
| | 1205 | 15.4 | | 4 | 7 | | 1105 | 15.5 | | 4 | 7 |
| TH | 1950 | 3.0 | | 9 | | FR | 1855 | 2.8 | | 8 | |
| JE | | | | | | VE | | | | | |
| 14 | 0100 | 12.3 | | 3 | 7 | 29 | 0000 | 12.7 | | 3 | 9 |
| | 0745 | 3.9 | | 1 | 2 | | 0650 | 3.3 | | 1 | 0 |
| FR | 1320 | 14.9 | | 4 | 5 | SA | 1215 | 15.1 | | 4 | 6 |
| VE | 2105 | 3.1 | | 9 | | SA | 2005 | 2.5 | | 8 | |
| 15 | 0225 | 12.6 | | 3 | 8 | 30 | 0115 | 13.1 | | 4 | 0 |
| | 0910 | 3.9 | | 1 | 2 | | 0810 | 3.1 | | 9 | |
| SA | 1445 | 14.9 | | 4 | 5 | SU | 1335 | 15.1 | | 4 | 6 |
| SA | 2220 | 3.1 | | 9 | | DI | 2120 | 2.3 | | 7 | |

### MAY-MAI

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0225 | 14.1 | | 4 | 3 | 16 | 0335 | 14.6 | | 4 | 5 |
| | 0935 | 2.7 | | 8 | | | 1055 | 2.9 | | 9 | |
| MO | 1445 | 15.6 | | 4 | 8 | TU | 1600 | 14.3 | | 4 | 4 |
| LU | 2225 | 2.1 | | 6 | | MA | 2305 | 2.8 | | 9 | |
| 2 | 0325 | 15.6 | | 4 | 8 | 17 | 0415 | 15.5 | | 4 | 7 |
| | 1050 | 2.2 | | 7 | | | 1145 | 2.5 | | 8 | |
| TU | 1545 | 16.2 | | 4 | 9 | WE | 1640 | 14.6 | | 4 | 5 |
| MA | 2320 | 2.1 | | 6 | | ME | 2345 | 2.7 | | 8 | |
| 3 | 0415 | 17.1 | | 5 | 2 | 18 | 0450 | 16.3 | | 5 | 0 |
| | 1155 | 1.8 | | 5 | | | 1230 | 2.4 | | 7 | |
| WE | 1640 | 16.8 | | 5 | 1 | TH | 1720 | 14.9 | | 4 | 5 |
| ME | | | | | | JE | | | | | |
| 4 | 0010 | 2.0 | | 6 | | 19 | 0025 | 2.7 | | 8 | |
| | 0500 | 16.5 | | 5 | 6 | | 0525 | 17.0 | | 5 | 2 |
| TH | 1255 | 1.6 | | 5 | | FR | 1310 | 2.3 | | 7 | |
| JE | 1730 | 17.1 | | 5 | 2 | VE | 1755 | 15.2 | | 4 | 6 |
| 5 | 0055 | 2.0 | | 6 | | 20 | 0100 | 2.7 | | 8 | |
| | 0545 | 16.5 | | 5 | 9 | | 0600 | 17.5 | | 5 | 3 |
| FR | 1350 | 1.5 | | 5 | | SA | 1350 | 2.2 | | 7 | |
| VE | 1815 | 17.2 | | 5 | 2 | SA | 1830 | 15.1 | | 4 | 6 |
| 6 | 0140 | 2.0 | | 6 | | 21 | 0135 | 2.6 | | 8 | |
| | 0625 | 20.0 | | 6 | 1 | | 0635 | 17.9 | | 5 | 5 |
| SA | 1435 | 1.6 | | 5 | | SU | 1425 | 2.1 | | 6 | |
| SA | 1900 | 17.0 | | 5 | 2 | DI | 1905 | 14.9 | | 4 | 5 |
| 7 | 0220 | 2.1 | | 6 | | 22 | 0210 | 2.6 | | 8 | |
| | 0710 | 20.1 | | 6 | 1 | | 0710 | 18.0 | | 5 | 5 |
| SU | 1520 | 1.8 | | 5 | | MO | 1505 | 2.0 | | 6 | |
| DI | 1950 | 16.6 | | 5 | 1 | LU | 1940 | 14.7 | | 4 | 5 |
| 8 | 0305 | 2.3 | | 7 | | 23 | 0245 | 2.3 | | 7 | |
| | 0755 | 19.7 | | 6 | 0 | | 0745 | 18.0 | | 5 | 5 |
| MO | 1605 | 2.0 | | 6 | | TU | 1540 | 2.0 | | 6 | |
| LU | 2040 | 15.8 | | 4 | 8 | MA | 2020 | 14.5 | | 4 | 4 |
| 9 | 0345 | 2.5 | | 8 | | 24 | 0325 | 2.3 | | 7 | |
| | 0845 | 18.9 | | 5 | 8 | | 0825 | 17.8 | | 5 | 4 |
| TU | 1650 | 2.3 | | 7 | | WE | 1620 | 2.0 | | 6 | |
| MA | 2130 | 15.0 | | 4 | 6 | ME | 2105 | 14.3 | | 4 | 4 |
| 10 | 0430 | 2.7 | | 8 | | 25 | 0405 | 2.4 | | 7 | |
| | 0940 | 17.9 | | 5 | 5 | | 0910 | 17.4 | | 5 | 3 |
| WE | 1735 | 2.5 | | 8 | | TH | 1705 | 2.0 | | 6 | |
| ME | 2220 | 14.1 | | 4 | 3 | JE | 2150 | 14.2 | | 4 | 3 |
| 11 | 0515 | 3.0 | | 9 | | 26 | 0450 | 2.5 | | 8 | |
| | 1035 | 16.7 | | 5 | 1 | | 1000 | 16.8 | | 5 | 1 |
| TH | 1825 | 2.7 | | 8 | | FR | 1750 | 2.0 | | 6 | |
| JE | 2320 | 13.4 | | 4 | 1 | VE | 2240 | 14.0 | | 4 | 3 |
| 12 | 0610 | 3.4 | | 1 | 0 | 27 | 0540 | 2.6 | | 8 | |
| | 1135 | 15.7 | | 4 | 8 | | 1050 | 16.2 | | 4 | 9 |
| FR | 1920 | 3.0 | | 9 | | SA | 1840 | 2.0 | | 6 | |
| VE | | | | | | SA | 2340 | 14.1 | | 4 | 3 |
| 13 | 0025 | 13.2 | | 4 | 0 | 28 | 0645 | 2.7 | | 8 | |
| | 0720 | 3.7 | | 1 | 1 | | 1155 | 15.6 | | 4 | 8 |
| SA | 1245 | 14.9 | | 4 | 5 | SU | 1940 | 2.0 | | 6 | |
| SA | 2020 | 3.1 | | 9 | | DI | | | | | |
| 14 | 0135 | 13.3 | | 4 | 1 | 29 | 0045 | 14.5 | | 4 | 4 |
| | 0835 | 3.7 | | 1 | 1 | | 0800 | 2.5 | | 8 | |
| SU | 1400 | 14.4 | | 4 | 4 | MO | 1305 | 15.2 | | 4 | 6 |
| DI | 2125 | 3.1 | | 9 | | LU | 2040 | 2.0 | | 6 | |
| 15 | 0240 | 13.8 | | 4 | 2 | 30 | 0150 | 15.2 | | 4 | 6 |
| | 0950 | 3.4 | | 1 | 0 | | 0915 | 2.2 | | 7 | |
| MO | 1505 | 14.3 | | 4 | 4 | TU | 1415 | 15.0 | | 4 | 6 |
| LU | 2220 | 2.9 | | 9 | | MA | 2140 | 2.0 | | 6 | |
| | | | | | | 31 | 0245 | 16.2 | | 4 | 9 |
| | | | | | | | 1025 | 1.9 | | 6 | |
| | | | | | | WE | 1520 | 15.1 | | 4 | 6 |
| | | | | | | ME | 2235 | 2.1 | | 6 | |

### JUNE-JUIN

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0340 | 17.3 | | 5 | 3 | 16 | 0410 | 15.7 | | 4 | 8 |
| | 1135 | 1.7 | | 5 | | | 1155 | 2.2 | | 7 | |
| TH | 1620 | 15.4 | | 4 | 7 | FR | 1645 | 13.5 | | 4 | 1 |
| JE | 2330 | 2.1 | | 6 | | VE | 2335 | 2.8 | | 8 | |
| 2 | 0435 | 16.3 | | 5 | 6 | 17 | 0455 | 16.5 | | 5 | 0 |
| | 1235 | 1.6 | | 5 | | | 1240 | 2.0 | | 6 | |
| FR | 1715 | 15.6 | | 4 | 8 | SA | 1730 | 13.9 | | 4 | 2 |
| VE | | | | | | SA | | | | | |
| 3 | 0025 | 2.0 | | 6 | | 18 | 0025 | 2.4 | | 7 | |
| | 0525 | 16.1 | | 5 | 8 | | 0540 | 17.1 | | 5 | 2 |
| SA | 1335 | 1.5 | | 5 | | SU | 1330 | 1.8 | | 5 | |
| SA | 1805 | 15.7 | | 4 | 8 | DI | 1810 | 14.0 | | 4 | 3 |
| 4 | 0115 | 1.9 | | 6 | | 19 | 0110 | 2.2 | | 7 | |
| | 0615 | 16.4 | | 5 | 9 | | 0620 | 17.6 | | 5 | 4 |
| SU | 1425 | 1.6 | | 5 | | MO | 1410 | 1.7 | | 5 | |
| DI | 1850 | 15.7 | | 4 | 8 | LU | 1850 | 14.2 | | 4 | 3 |
| 5 | 0200 | 1.9 | | 6 | | 20 | 0150 | 2.0 | | 6 | |
| | 0700 | 16.4 | | 5 | 9 | | 0700 | 16.0 | | 5 | 5 |
| MO | 1510 | 1.7 | | 5 | | TU | 1455 | 1.8 | | 5 | |
| LU | 1940 | 15.5 | | 4 | 7 | MA | 1930 | 14.5 | | 4 | 4 |
| 6 | 0245 | 2.1 | | 6 | | 21 | 0235 | 1.8 | | 5 | |
| | 0745 | 16.1 | | 5 | 8 | | 0740 | 16.2 | | 5 | 5 |
| TU | 1555 | 1.8 | | 5 | | WE | 1530 | 1.5 | | 5 | |
| MA | 2030 | 15.3 | | 4 | 7 | ME | 2010 | 14.8 | | 4 | 5 |
| 7 | 0330 | 2.2 | | 7 | | 22 | 0320 | 1.7 | | 5 | |
| | 0835 | 16.5 | | 5 | 6 | | 0820 | 16.1 | | 5 | 5 |
| WE | 1635 | 2.0 | | 6 | | TH | 1610 | 1.5 | | 5 | |
| ME | 2115 | 14.9 | | 4 | 5 | JE | 2050 | 15.0 | | 4 | 6 |
| 8 | 0415 | 2.4 | | 7 | | 23 | 0405 | 1.8 | | 5 | |
| | 0920 | 17.7 | | 5 | 4 | | 0900 | 17.8 | | 5 | 4 |
| TH | 1715 | 2.3 | | 7 | | FR | 1650 | 1.5 | | 5 | |
| JE | 2200 | 14.5 | | 4 | 4 | VE | 2135 | 15.1 | | 4 | 6 |
| 9 | 0500 | 2.7 | | 8 | | 24 | 0450 | 1.8 | | 5 | |
| | 1010 | 16.7 | | 5 | 1 | | 0950 | 17.2 | | 5 | 2 |
| FR | 1755 | 2.4 | | 7 | | SA | 1735 | 1.5 | | 5 | |
| VE | 2250 | 14.2 | | 4 | 3 | SA | 2225 | 15.2 | | 4 | 6 |
| 10 | 0550 | 2.9 | | 9 | | 25 | 0540 | 1.9 | | 6 | |
| | 1105 | 15.7 | | 4 | 8 | | 1040 | 16.5 | | 5 | 0 |
| SA | 1840 | 2.6 | | 8 | | SU | 1820 | 1.5 | | 5 | |
| SA | 2345 | 14.0 | | 4 | 3 | DI | 2315 | 15.4 | | 4 | 7 |
| 11 | 0645 | 3.1 | | 9 | | 26 | 0635 | 1.9 | | 6 | |
| | 1200 | 14.6 | | 4 | 5 | | 1135 | 15.7 | | 4 | 8 |
| SU | 1925 | 2.7 | | 8 | | MO | 1905 | 1.6 | | 5 | |
| DI | | | | | | LU | | | | | |
| 12 | 0040 | 13.6 | | 4 | 2 | 27 | 0010 | 15.6 | | 4 | 8 |
| | 0750 | 3.1 | | 9 | | | 0740 | 1.9 | | 6 | |
| MO | 1305 | 13.7 | | 4 | 2 | TU | 1235 | 14.8 | | 4 | 5 |
| LU | 2015 | 2.7 | | 8 | | MA | 2000 | 1.7 | | 5 | |
| 13 | 0135 | 13.9 | | 4 | 2 | 28 | 0110 | 15.9 | | 4 | 8 |
| | 0855 | 2.9 | | 9 | | | 0850 | 1.9 | | 5 | |
| TU | 1405 | 13.1 | | 4 | 0 | WE | 1345 | 14.0 | | 4 | 3 |
| MA | 2110 | 2.7 | | 8 | | ME | 2055 | 1.8 | | 5 | |
| 14 | 0235 | 14.2 | | 4 | 3 | 29 | 0215 | 16.2 | | 4 | 9 |
| | 1000 | 2.6 | | 8 | | | 1005 | 1.6 | | 5 | |
| WE | 1505 | 12.9 | | 3 | 9 | TH | 1455 | 13.7 | | 4 | 2 |
| ME | 2200 | 2.7 | | 8 | | JE | 2200 | 1.9 | | 6 | |
| 15 | 0325 | 14.9 | | 4 | 5 | 30 | 0315 | 16.8 | | 5 | 1 |
| | 1100 | 2.3 | | 7 | | | 1115 | 1.5 | | 5 | |
| TH | 1600 | 13.2 | | 4 | 0 | FR | 1605 | 13.7 | | 4 | 2 |
| JE | 2250 | 2.7 | | 8 | | VE | 2305 | 1.9 | | 6 | |

# QUEBEC (EST Z+5)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0420 | 17.5 | 5.3 | 16 | 0425 | 18.7 | 4.8 |
| | 1220 | 1.4 | .4 | | 1215 | 1.7 | .5 |
| SA | 1705 | 14.0 | 4.3 | SU | 1705 | 12.8 | 3.9 |
| SA | | | | DI | 2350 | 2.1 | .6 |
| 2 | 0005 | 1.8 | .5 | 17 | 0515 | 18.5 | 5.0 |
| | 0515 | 18.0 | 5.5 | | 1305 | 1.5 | .5 |
| SU | 1320 | 1.3 | .4 | MO | 1755 | 13.4 | 4.1 |
| DI | 1800 | 14.3 | 4.4 | LU | | | |
| 3 | 0100 | 1.6 | .5 | 18 | 0050 | 1.8 | .5 |
| | 0610 | 18.3 | 5.6 | | 0600 | 17.3 | 5.3 |
| MO | 1410 | 1.3 | .4 | TU | 1355 | 1.3 | .4 |
| LU | 1850 | 14.6 | 4.5 | MA | 1835 | 14.1 | 4.3 |
| 4 | 0150 | 1.5 | .5 | 19 | 0140 | 1.5 | .5 |
| | 0655 | 18.3 | 5.6 | | 0645 | 17.9 | 5.5 |
| TU | 1455 | 1.3 | .4 | WE | 1435 | 1.1 | .3 |
| MA | 1935 | 14.8 | 4.5 | ME | 1915 | 14.0 | 4.5 |
| 5 | 0235 | 1.6 | .5 | 20 | 0230 | 1.2 | .4 |
| | 0740 | 18.2 | 5.5 | | 0725 | 18.3 | 5.6 |
| WE | 1535 | 1.4 | .4 | TH | 1515 | 1.0 | .3 |
| ME | 2015 | 15.0 | 4.6 | JE | 1955 | 15.6 | 4.8 |
| 6 | 0320 | 1.7 | .5 | 21 | 0315 | 1.1 | .3 |
| | 0820 | 17.9 | 5.5 | | 0805 | 18.3 | 5.6 |
| TH | 1615 | 1.6 | .5 | FR | 1555 | 1.0 | .3 |
| JE | 2055 | 15.2 | 4.6 | VE | 2035 | 16.1 | 4.9 |
| 7 | 0400 | 1.9 | .6 | 22 | 0400 | 1.0 | .3 |
| | 0905 | 17.3 | 5.3 | | 0845 | 17.9 | 5.5 |
| FR | 1645 | 1.8 | .5 | SA | 1630 | 1.0 | .3 |
| VE | 2135 | 15.1 | 4.6 | SA | 2115 | 16.3 | 5.0 |
| 8 | 0440 | 2.1 | .6 | 23 | 0445 | 1.0 | .3 |
| | 0945 | 16.4 | 5.0 | | 0930 | 17.2 | 5.2 |
| SA | 1720 | 1.9 | .6 | SU | 1710 | 1.1 | .3 |
| SA | 2215 | 14.9 | 4.5 | DI | 2200 | 16.4 | 5.0 |
| 9 | 0520 | 2.3 | .7 | 24 | 0530 | 1.2 | .4 |
| | 1030 | 15.3 | 4.7 | | 1020 | 16.4 | 5.0 |
| SU | 1750 | 2.0 | .6 | MO | 1750 | 1.3 | .4 |
| DI | 2255 | 14.6 | 4.5 | LU | 2245 | 16.4 | 5.0 |
| 10 | 0605 | 2.4 | .7 | 25 | 0625 | 1.4 | .4 |
| | 1115 | 14.2 | 4.3 | | 1110 | 15.3 | 4.7 |
| MO | 1825 | 2.2 | .7 | TU | 1830 | 1.5 | .5 |
| LU | 2340 | 14.3 | 4.4 | MA | 2340 | 16.2 | 4.9 |
| 11 | 0655 | 2.5 | .8 | 26 | 0720 | 1.5 | .5 |
| | 1205 | 13.9 | 4.0 | | 1210 | 14.9 | 4.3 |
| TU | 1905 | 2.4 | .7 | WE | 1920 | 1.7 | .5 |
| MA | | | | ME | | | |
| 12 | 0030 | 13.9 | 4.2 | 27 | 0040 | 15.9 | 4.8 |
| | 0755 | 2.5 | .8 | | 0830 | 1.5 | .5 |
| WE | 1305 | 12.1 | 3.7 | TH | 1325 | 12.9 | 3.9 |
| ME | 1955 | 2.6 | .8 | JE | 2025 | 1.9 | .6 |
| 13 | 0130 | 13.8 | 4.2 | 28 | 0150 | 15.7 | 4.8 |
| | 0900 | 2.3 | .7 | | 0945 | 1.4 | .4 |
| TH | 1415 | 11.7 | 3.6 | FR | 1445 | 12.4 | 3.8 |
| JE | 2050 | 2.8 | .9 | VE | 2135 | 1.9 | .6 |
| 14 | 0230 | 14.2 | 4.3 | 29 | 0305 | 15.9 | 4.8 |
| | 1010 | 2.1 | .6 | | 1100 | 1.3 | .4 |
| FR | 1520 | 11.8 | 3.6 | SA | 1600 | 12.5 | 3.8 |
| VE | 2150 | 2.8 | .9 | SA | 2250 | 1.8 | .5 |
| 15 | 0330 | 14.9 | 4.5 | 30 | 0415 | 16.4 | 5.0 |
| | 1115 | 1.9 | .6 | | 1210 | 1.2 | .4 |
| SA | 1615 | 12.3 | 3.7 | SU | 1700 | 13.1 | 4.0 |
| SA | 2255 | 2.6 | .8 | DI | 2355 | 1.6 | .5 |
| | | | | 31 | 0515 | 16.9 | 5.2 |
| | | | | | 1305 | 1.2 | .4 |
| | | | | MO | 1755 | 13.7 | 4.2 |
| | | | | LU | | | |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0055 | 1.4 | .4 | 16 | 0030 | 1.5 | .5 |
| | 0605 | 17.3 | 5.3 | | 0545 | 17.1 | 5.2 |
| TU | 1355 | 1.2 | .4 | WE | 1330 | 1.0 | .3 |
| MA | 1840 | 14.3 | 4.4 | ME | 1810 | 14.8 | 4.5 |
| 2 | 0140 | 1.2 | .4 | 17 | 0125 | 1.1 | .3 |
| | 0650 | 17.5 | 5.3 | | 0625 | 17.9 | 5.5 |
| WE | 1435 | 1.1 | .3 | TH | 1415 | .9 | .3 |
| ME | 1920 | 14.8 | 4.5 | JE | 1850 | 15.9 | 4.8 |
| 3 | 0225 | 1.1 | .3 | 18 | 0215 | .8 | .2 |
| | 0725 | 17.5 | 5.3 | | 0710 | 18.3 | 5.6 |
| TH | 1515 | 1.1 | .3 | FR | 1450 | .8 | .2 |
| JE | 1955 | 15.4 | 4.7 | VE | 1930 | 16.8 | 5.1 |
| 4 | 0305 | 1.2 | .4 | 19 | 0305 | .8 | .2 |
| | 0805 | 17.2 | 5.2 | | 0750 | 18.2 | 5.5 |
| FR | 1545 | 1.3 | .4 | SA | 1525 | .7 | .2 |
| VE | 2030 | 15.7 | 4.8 | SA | 2005 | 17.4 | 5.3 |
| 5 | 0345 | 1.4 | .4 | 20 | 0350 | .8 | .2 |
| | 0840 | 16.8 | 5.1 | | 0830 | 17.8 | 5.4 |
| SA | 1610 | 1.4 | .4 | SU | 1600 | .8 | .2 |
| SA | 2100 | 15.8 | 4.8 | DI | 2045 | 17.6 | 5.4 |
| 6 | 0415 | 1.6 | .5 | 21 | 0435 | .8 | .2 |
| | 0915 | 16.0 | 4.9 | | 0910 | 17.0 | 5.2 |
| SU | 1640 | 1.6 | .5 | MO | 1635 | 1.0 | .3 |
| DI | 2135 | 15.6 | 4.8 | LU | 2130 | 17.5 | 5.3 |
| 7 | 0450 | 1.8 | .5 | 22 | 0520 | .8 | .2 |
| | 0950 | 15.0 | 4.6 | | 1000 | 16.0 | 4.9 |
| MO | 1705 | 1.7 | .5 | TU | 1715 | 1.3 | .4 |
| LU | 2210 | 15.3 | 4.7 | MA | 2215 | 17.1 | 5.2 |
| 8 | 0525 | 1.9 | .6 | 23 | 0605 | 1.1 | .3 |
| | 1030 | 13.8 | 4.2 | | 1050 | 14.7 | 4.5 |
| TU | 1730 | 1.9 | .6 | WE | 1755 | 1.6 | .5 |
| MA | 2250 | 14.8 | 4.5 | ME | 2310 | 16.4 | 5.0 |
| 9 | 0610 | 2.1 | .6 | 24 | 0700 | 1.5 | .5 |
| | 1110 | 12.6 | 3.8 | | 1155 | 13.3 | 4.1 |
| WE | 1800 | 2.2 | .7 | TH | 1850 | 2.0 | .6 |
| ME | 2330 | 14.2 | 4.3 | JE | | | |
| 10 | 0700 | 2.3 | .7 | 25 | 0020 | 15.6 | 4.8 |
| | 1210 | 11.5 | 3.5 | | 0810 | 1.6 | .5 |
| TH | 1845 | 2.7 | .8 | FR | 1310 | 12.1 | 3.7 |
| JE | | | | VE | 2000 | 2.2 | .7 |
| 11 | 0030 | 13.7 | 4.2 | 26 | 0140 | 15.1 | 4.6 |
| | 0805 | 2.3 | .7 | | 0930 | 1.6 | .5 |
| FR | 1320 | 10.9 | 3.3 | SA | 1435 | 11.8 | 3.6 |
| VE | 1950 | 2.9 | .9 | SA | 2125 | 2.2 | .7 |
| 12 | 0140 | 13.7 | 4.2 | 27 | 0300 | 15.1 | 4.6 |
| | 0920 | 2.1 | .6 | | 1050 | 1.4 | .4 |
| SA | 1435 | 10.9 | 3.3 | SU | 1555 | 12.2 | 3.7 |
| SA | 2105 | 2.9 | .9 | DI | 2245 | 1.9 | .6 |
| 13 | 0250 | 14.2 | 4.3 | 28 | 0410 | 15.7 | 4.8 |
| | 1035 | 1.8 | .5 | | 1155 | 1.3 | .4 |
| SU | 1545 | 11.5 | 3.5 | MO | 1655 | 13.2 | 4.0 |
| DI | 2220 | 2.5 | .8 | LU | 2350 | 1.6 | .5 |
| 14 | 0355 | 15.1 | 4.6 | 29 | 0505 | 16.3 | 5.0 |
| | 1145 | 1.5 | .5 | | 1250 | 1.3 | .4 |
| MO | 1645 | 12.5 | 3.8 | TU | 1740 | 14.1 | 4.3 |
| LU | 2330 | 1.9 | .6 | MA | | | |
| 15 | 0455 | 16.2 | 4.9 | 30 | 0045 | 1.3 | .4 |
| | 1240 | 1.2 | .4 | | 0550 | 16.7 | 5.1 |
| TU | 1730 | 13.6 | 4.1 | WE | 1330 | 1.3 | .4 |
| MA | | | | ME | 1820 | 14.6 | 4.5 |
| | | | | 31 | 0130 | 1.1 | .3 |
| | | | | | 0630 | 16.9 | 5.2 |
| | | | | TH | 1405 | 1.3 | .4 |
| | | | | JE | 1855 | 15.5 | 4.7 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0210 | 1.0 | .3 | 16 | 0200 | .7 | .2 |
| | 0705 | 16.9 | 5.2 | | 0640 | 18.0 | 5.5 |
| FR | 1440 | 1.3 | .4 | SA | 1420 | .8 | .2 |
| VE | 1925 | 16.1 | 4.9 | SA | 1855 | 16.1 | 5.5 |
| 2 | 0245 | 1.1 | .3 | 17 | 0245 | .8 | .2 |
| | 0740 | 16.7 | 5.1 | | 0725 | 17.9 | 5.5 |
| SA | 1505 | 1.4 | .4 | SU | 1455 | .9 | .3 |
| SA | 1955 | 16.5 | 5.0 | DI | 1935 | 16.7 | 5.7 |
| 3 | 0320 | 1.3 | .4 | 18 | 0335 | .4 | .1 |
| | 0810 | 16.3 | 5.0 | | 0805 | 17.4 | 5.3 |
| SU | 1530 | 1.5 | .5 | MO | 1530 | 1.0 | .3 |
| DI | 2025 | 16.6 | 5.1 | LU | 2015 | 16.9 | 5.7 |
| 4 | 0350 | 1.5 | .5 | 19 | 0420 | .8 | .2 |
| | 0840 | 15.8 | 4.8 | | 0850 | 16.5 | 5.0 |
| MO | 1555 | 1.6 | .5 | TU | 1605 | 1.2 | .4 |
| LU | 2055 | 16.3 | 5.0 | MA | 2100 | 16.4 | 5.6 |
| 5 | 0420 | 1.6 | .5 | 20 | 0505 | .9 | .3 |
| | 0910 | 14.7 | 4.5 | | 0940 | 15.5 | 4.7 |
| TU | 1620 | 1.7 | .5 | WE | 1645 | 1.5 | .5 |
| MA | 2130 | 15.9 | 4.8 | ME | 2150 | 17.6 | 5.4 |
| 6 | 0455 | 1.8 | .5 | 21 | 0550 | 1.2 | .4 |
| | 0945 | 13.7 | 4.2 | | 1035 | 14.2 | 4.3 |
| WE | 1645 | 1.8 | .5 | TH | 1730 | 1.9 | .6 |
| ME | 2205 | 15.3 | 4.7 | JE | 2250 | 16.5 | 5.0 |
| 7 | 0530 | 2.0 | .6 | 22 | 0645 | 1.6 | .5 |
| | 1030 | 12.5 | 3.8 | | 1140 | 12.9 | 3.9 |
| TH | 1715 | 2.3 | .7 | FR | 1830 | 2.4 | .7 |
| JE | 2245 | 14.6 | 4.5 | VE | | | |
| 8 | 0615 | 2.3 | .7 | 23 | 0000 | 15.4 | 4.7 |
| | 1120 | 11.4 | 3.5 | | 0755 | 1.9 | .6 |
| FR | 1755 | 2.6 | .9 | SA | 1300 | 12.0 | 3.7 |
| VE | 2340 | 14.0 | 4.3 | SA | 1945 | 2.7 | .8 |
| 9 | 0720 | 2.4 | .7 | 24 | 0125 | 14.7 | 4.5 |
| | 1235 | 10.7 | 3.3 | | 0915 | 2.0 | .6 |
| SA | 1905 | 3.1 | .9 | SU | 1425 | 12.0 | 3.7 |
| SA | | | | DI | 2110 | 2.7 | .8 |
| 10 | 0055 | 13.6 | 4.1 | 25 | 0250 | 14.7 | 4.5 |
| | 0840 | 2.2 | .7 | | 1035 | 1.8 | .5 |
| SU | 1355 | 10.7 | 3.3 | MO | 1540 | 12.7 | 3.9 |
| DI | 2025 | 2.9 | .9 | LU | 2235 | 2.3 | .7 |
| 11 | 0215 | 14.0 | 4.3 | 26 | 0400 | 15.2 | 4.6 |
| | 1000 | 1.8 | .5 | | 1135 | 1.7 | .5 |
| MO | 1515 | 11.6 | 3.5 | TU | 1635 | 13.8 | 4.2 |
| LU | 2150 | 2.4 | .7 | MA | 2340 | 1.8 | .5 |
| 12 | 0325 | 14.8 | 4.5 | 27 | 0450 | 15.8 | 4.8 |
| | 1110 | 1.4 | .4 | | 1220 | 1.5 | .5 |
| TU | 1615 | 12.9 | 3.9 | WE | 1715 | 14.9 | 4.5 |
| MA | 2305 | 1.8 | .5 | ME | | | |
| 13 | 0425 | 15.9 | 4.9 | 28 | 0035 | 1.4 | .4 |
| | 1210 | 1.1 | .3 | | 0530 | 16.1 | 4.9 |
| WE | 1700 | 14.4 | 4.4 | TH | 1255 | 1.5 | .5 |
| ME | | | | JE | 1750 | 16.5 | 4.7 |
| 14 | 0010 | 1.3 | .4 | 29 | 0115 | 1.3 | .4 |
| | 0515 | 17.6 | 5.2 | | 0605 | 16.3 | 5.0 |
| TH | 1300 | 1.0 | .3 | FR | 1330 | 1.6 | .5 |
| JE | 1740 | 15.9 | 4.8 | VE | 1820 | 16.2 | 4.9 |
| 15 | 0105 | .9 | .3 | 30 | 0150 | 1.2 | .4 |
| | 0600 | 17.7 | 5.4 | | 0640 | 16.3 | 5.0 |
| FR | 1340 | .9 | .3 | SA | 1400 | 1.7 | .5 |
| VE | 1820 | 17.2 | 5.2 | SA | 1850 | 16.7 | 5.1 |

# TABLE DES MARÉES

# QUEBEC (HNE 2·5)

1989

## OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|---|
| 1 | 0225 | 1.3 | 4 | | 16 | 0230 | .7 | 2 |
| | 0710 | 16.2 | 4 9 | | | 0700 | 17.2 | 5 2 |
| SU | 1430 | 1.8 | 5 | | MO | 1425 | 1.1 | 3 |
| DI | 1920 | 17.1 | 5 2 | | LU | 1910 | 19.5 | 5 9 |
| 2 | 0255 | 1.5 | 5 | | 17 | 0315 | .7 | 2 |
| | 0740 | 15.8 | 4 8 | | | 0745 | 16.7 | 5 1 |
| MO | 1455 | 1.8 | 5 | | TU | 1505 | 1.2 | 4 |
| LU | 1950 | 17.1 | 5 2 | | MA | 1955 | 19.4 | 5 9 |
| 3 | 0325 | 1.6 | 5 | | 18 | 0405 | .9 | 3 |
| | 0810 | 15.2 | 4 6 | | | 0835 | 15.9 | 4 8 |
| TU | 1520 | 1.8 | 5 | | WE | 1545 | 1.4 | 4 |
| MA | 2020 | 16.6 | 5 1 | | ME | 2040 | 18.8 | 5 7 |
| 4 | 0355 | 1.6 | 5 | | 19 | 0450 | 1.1 | 3 |
| | 0840 | 14.4 | 4 4 | | | 0925 | 14.9 | 4 5 |
| WE | 1550 | 1.8 | 5 | | TH | 1625 | 1.6 | 5 |
| ME | 2055 | 16.3 | 5 0 | | JE | 2135 | 17.7 | 5 4 |
| 5 | 0430 | 1.8 | 5 | | 20 | 0535 | 1.4 | 4 |
| | 0920 | 13.5 | 4 1 | | | 1020 | 13.9 | 4 2 |
| TH | 1615 | 1.9 | 6 | | FR | 1715 | 2.1 | 6 |
| JE | 2130 | 15.7 | 4 8 | | VE | 2235 | 18.5 | 5 0 |
| 6 | 0505 | 2.0 | 6 | | 21 | 0630 | 1.7 | 5 |
| | 1000 | 12.5 | 3 8 | | | 1125 | 13.0 | 4 0 |
| FR | 1645 | 2.2 | 7 | | SA | 1810 | 2.6 | 8 |
| VE | 2215 | 15.1 | 4 6 | | SA | 2340 | 15.4 | 4 7 |
| 7 | 0550 | 2.2 | 7 | | 22 | 0730 | 2.1 | 6 |
| | 1050 | 11.7 | 3 6 | | | 1240 | 12.5 | 3 8 |
| SA | 1730 | 2.7 | 8 | | SU | 1925 | 3.0 | 9 |
| SA | 2305 | 14.4 | 4 4 | | DI | | | |
| 8 | 0645 | 2.3 | 7 | | 23 | 0100 | 14.6 | 4 5 |
| | 1200 | 11.2 | 3 4 | | | 0845 | 2.3 | 7 |
| SU | 1835 | 3.0 | 9 | | MO | 1400 | 12.6 | 3 8 |
| DI | | | | | LU | 2050 | 3.1 | 9 |
| 9 | 0020 | 14.0 | 4 3 | | 24 | 0220 | 14.4 | 4 4 |
| | 0805 | 2.1 | 6 | | | 1000 | 2.2 | 7 |
| MO | 1325 | 11.3 | 3 4 | | TU | 1510 | 13.3 | 4 1 |
| LU | 2000 | 2.8 | 9 | | MA | 2215 | 2.6 | 8 |
| 10 | 0140 | 14.1 | 4 3 | | 25 | 0335 | 14.6 | 4 5 |
| | 0925 | 1.7 | 5 | | | 1100 | 2.0 | 6 |
| TU | 1440 | 12.2 | 3 7 | | WE | 1605 | 14.3 | 4 4 |
| MA | 2130 | 2.3 | 7 | | ME | 2320 | 2.0 | 6 |
| 11 | 0250 | 14.7 | 4 5 | | 26 | 0425 | 14.9 | 4 5 |
| | 1035 | 1.3 | 4 | | | 1140 | 1.8 | 5 |
| WE | 1540 | 13.7 | 4 2 | | TH | 1640 | 15.2 | 4 6 |
| ME | 2245 | 1.7 | 5 | | JE | | | |
| 12 | 0355 | 15.7 | 4 8 | | 27 | 0010 | 1.6 | 5 |
| | 1135 | 1.1 | 3 | | | 0505 | 15.1 | 4 6 |
| TH | 1625 | 15.4 | 4 7 | | FR | 1215 | 1.7 | 5 |
| JE | 2345 | 1.2 | 4 | | VE | 1715 | 15.9 | 4 8 |
| 13 | 0445 | 16.8 | 5 1 | | 28 | 0050 | 1.4 | 4 |
| | 1220 | 1.1 | 3 | | | 0540 | 15.3 | 4 7 |
| FR | 1705 | 17.0 | 5 2 | | SA | 1245 | 1.6 | 5 |
| VE | | | | | SA | 1745 | 16.5 | 5 0 |
| 14 | 0045 | .9 | 3 | | 29 | 0125 | 1.4 | 4 |
| | 0530 | 17.1 | 5 2 | | | 0615 | 15.4 | 4 7 |
| SA | 1305 | 1.1 | 3 | | SU | 1320 | 2.0 | 6 |
| SA | 1745 | 16.3 | 5 6 | | DI | 1820 | 17.0 | 5 2 |
| 15 | 0135 | .8 | 2 | | 30 | 0200 | 1.5 | 5 |
| | 0615 | 17.3 | 5 3 | | | 0645 | 15.4 | 4 7 |
| SU | 1345 | 1.1 | 3 | | MO | 1350 | 2.1 | 6 |
| DI | 1825 | 16.1 | 5 8 | | LU | 1850 | 17.3 | 5 3 |
| | | | | | 31 | 0235 | 1.6 | 5 |
| | | | | | | 0715 | 16.1 | 4 6 |
| | | | | | TU | 1420 | 2.0 | 6 |
| | | | | | MA | 1925 | 17.3 | 5 3 |

## NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|---|
| 1 | 0305 | 1.6 | 5 | | 16 | 0350 | 1.1 | 3 |
| | 0750 | 14.6 | 4 5 | | | 0825 | 15.3 | 4 7 |
| WE | 1455 | 1.9 | 6 | | TH | 1530 | 1.5 | 5 |
| ME | 2000 | 17.0 | 5 2 | | JE | 2030 | 16.7 | 5 7 |
| 2 | 0340 | 1.8 | 5 | | 17 | 0435 | 1.3 | 4 |
| | 0825 | 14.0 | 4 3 | | | 0915 | 14.6 | 4 5 |
| TH | 1525 | 1.8 | 5 | | FR | 1610 | 1.7 | 5 |
| JE | 2035 | 16.6 | 5 1 | | VE | 2120 | 17.7 | 5 4 |
| 3 | 0415 | 1.6 | 5 | | 18 | 0520 | 1.4 | 4 |
| | 0900 | 13.4 | 4 1 | | | 1005 | 13.9 | 4 2 |
| FR | 1600 | 1.8 | 5 | | SA | 1700 | 2.0 | 6 |
| VE | 2110 | 16.1 | 4 9 | | SA | 2215 | 16.5 | 5 0 |
| 4 | 0450 | 1.8 | 5 | | 19 | 0610 | 1.7 | 5 |
| | 0940 | 12.8 | 3 9 | | | 1105 | 13.4 | 4 1 |
| SA | 1635 | 2.0 | 6 | | SU | 1755 | 2.4 | 7 |
| SA | 2155 | 15.5 | 4 7 | | DI | 2315 | 15.4 | 4 7 |
| 5 | 0535 | 1.9 | 6 | | 20 | 0700 | 2.0 | 6 |
| | 1035 | 12.4 | 3 8 | | | 1210 | 13.2 | 4 0 |
| SU | 1720 | 2.4 | 7 | | MO | 1900 | 2.9 | 9 |
| DI | 2245 | 15.0 | 4 6 | | LU | | | |
| 6 | 0625 | 2.0 | 6 | | 21 | 0025 | 14.5 | 4 4 |
| | 1135 | 12.1 | 3 7 | | | 0800 | 2.2 | 7 |
| MO | 1825 | 2.6 | 8 | | TU | 1315 | 13.3 | 4 1 |
| LU | 2350 | 14.5 | 4 4 | | MA | 2015 | 3.0 | 9 |
| 7 | 0735 | 1.9 | 6 | | 22 | 0135 | 13.9 | 4 2 |
| | 1250 | 12.3 | 3 7 | | | 0905 | 2.3 | 7 |
| TU | 1940 | 2.5 | 8 | | WE | 1420 | 13.6 | 4 1 |
| MA | | | | | ME | 2130 | 2.7 | 8 |
| 8 | 0105 | 14.3 | 4 4 | | 23 | 0250 | 13.5 | 4 1 |
| | 0845 | 1.6 | 5 | | | 1000 | 2.2 | 7 |
| WE | 1400 | 13.2 | 4 0 | | TH | 1515 | 14.2 | 4 3 |
| ME | 2100 | 2.1 | 6 | | JE | 2240 | 2.2 | 7 |
| 9 | 0215 | 14.5 | 4 4 | | 24 | 0345 | 13.4 | 4 1 |
| | 0950 | 1.3 | 4 | | | 1045 | 2.0 | 6 |
| TH | 1500 | 14.5 | 4 4 | | FR | 1600 | 14.9 | 4 5 |
| JE | 2215 | 1.6 | 5 | | VE | 2335 | 1.7 | 5 |
| 10 | 0320 | 15.1 | 4 6 | | 25 | 0430 | 13.6 | 4 1 |
| | 1045 | 1.2 | 4 | | | 1125 | 2.0 | 6 |
| FR | 1550 | 16.1 | 4 9 | | SA | 1640 | 15.6 | 4 8 |
| VE | 2325 | 1.2 | 4 | | SA | | | |
| 11 | 0415 | 15.6 | 4 8 | | 26 | 0020 | 1.5 | 5 |
| | 1140 | 1.2 | 4 | | | 0510 | 13.9 | 4 2 |
| SA | 1635 | 17.5 | 5 3 | | SU | 1200 | 2.0 | 6 |
| SA | | | | | DI | 1715 | 16.2 | 4 9 |
| 12 | 0020 | .9 | 3 | | 27 | 0100 | 1.4 | 4 |
| | 0505 | 16.0 | 4 9 | | | 0550 | 14.2 | 4 3 |
| SU | 1225 | 1.2 | 4 | | MO | 1240 | 2.1 | 6 |
| DI | 1720 | 16.7 | 5 7 | | LU | 1750 | 16.7 | 5 1 |
| 13 | 0115 | .9 | 3 | | 28 | 0135 | 1.5 | 5 |
| | 0555 | 16.2 | 4 9 | | | 0625 | 14.3 | 4 4 |
| MO | 1310 | 1.2 | 4 | | TU | 1315 | 2.1 | 6 |
| LU | 1805 | 16.4 | 5 9 | | MA | 1830 | 17.0 | 5 2 |
| 14 | 0210 | .9 | 3 | | 29 | 0215 | 1.5 | 5 |
| | 0640 | 16.1 | 4 9 | | | 0700 | 14.2 | 4 3 |
| TU | 1355 | 1.3 | 4 | | WE | 1355 | 2.0 | 6 |
| MA | 1850 | 16.6 | 6 0 | | ME | 1905 | 17.2 | 5 2 |
| 15 | 0300 | 1.0 | 3 | | 30 | 0250 | 1.5 | 5 |
| | 0730 | 15.8 | 4 8 | | | 0735 | 14.0 | 4 3 |
| WE | 1440 | 1.4 | 4 | | TH | 1430 | 1.8 | 5 |
| ME | 1940 | 16.3 | 5 9 | | JE | 1940 | 17.2 | 5 2 |

## DECEMBER-DECEMBRE

| Day | Time | Ht ft | Ht m | | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|---|
| 1 | 0325 | 1.4 | 4 | | 16 | 0415 | 1.3 | 4 |
| | 0810 | 13.9 | 4 2 | | | 0900 | 14.6 | 4 5 |
| FR | 1510 | 1.8 | 5 | | SA | 1600 | 1.5 | 5 |
| VE | 2020 | 16.9 | 5 2 | | SA | 2105 | 17.5 | 5 3 |
| 2 | 0400 | 1.4 | 4 | | 17 | 0500 | 1.4 | 4 |
| | 0850 | 13.7 | 4 2 | | | 0945 | 14.3 | 4 4 |
| SA | 1550 | 1.6 | 5 | | SU | 1645 | 1.7 | 5 |
| SA | 2100 | 16.5 | 5 0 | | DI | 2155 | 16.5 | 5 0 |
| 3 | 0440 | 1.4 | 4 | | 18 | 0540 | 1.5 | 5 |
| | 0930 | 13.6 | 4 1 | | | 1035 | 14.0 | 4 3 |
| SU | 1630 | 1.7 | 5 | | MO | 1730 | 2.0 | 6 |
| DI | 2140 | 16.0 | 4 9 | | LU | 2245 | 15.4 | 4 7 |
| 4 | 0520 | 1.4 | 4 | | 19 | 0620 | 1.7 | 5 |
| | 1015 | 13.4 | 4 1 | | | 1125 | 13.8 | 4 2 |
| MO | 1715 | 1.8 | 5 | | TU | 1820 | 2.4 | 7 |
| LU | 2230 | 15.5 | 4 7 | | MA | 2340 | 14.3 | 4 4 |
| 5 | 0605 | 1.5 | 5 | | 20 | 0700 | 2.0 | 6 |
| | 1110 | 13.4 | 4 1 | | | 1220 | 13.7 | 4 2 |
| TU | 1815 | 2.0 | 6 | | WE | 1925 | 2.7 | 8 |
| MA | 2325 | 14.9 | 4 5 | | ME | | | |
| 6 | 0700 | 1.5 | 5 | | 21 | 0040 | 13.2 | 4 0 |
| | 1210 | 13.6 | 4 1 | | | 0750 | 2.2 | 7 |
| WE | 1920 | 2.0 | 6 | | TH | 1320 | 13.7 | 4 2 |
| ME | | | | | JE | 2030 | 2.7 | 8 |
| 7 | 0030 | 14.4 | 4 4 | | 22 | 0150 | 12.3 | 3 7 |
| | 0755 | 1.5 | 5 | | | 0845 | 2.3 | 7 |
| TH | 1315 | 14.1 | 4 3 | | FR | 1415 | 13.8 | 4 2 |
| JE | 2035 | 1.7 | 5 | | VE | 2140 | 2.4 | 7 |
| 8 | 0140 | 14.0 | 4 3 | | 23 | 0255 | 11.9 | 3 6 |
| | 0900 | 1.5 | 5 | | | 0940 | 2.3 | 7 |
| FR | 1415 | 15.1 | 4 6 | | SA | 1510 | 14.2 | 4 3 |
| VE | 2150 | 1.4 | 4 | | SA | 2245 | 1.9 | 6 |
| 9 | 0245 | 14.0 | 4 3 | | 24 | 0355 | 12.0 | 3 7 |
| | 1000 | 1.4 | 4 | | | 1030 | 2.3 | 7 |
| SA | 1515 | 16.2 | 4 9 | | SU | 1600 | 14.9 | 4 5 |
| SA | 2300 | 1.1 | 3 | | DI | 2340 | 1.6 | 5 |
| 10 | 0350 | 14.2 | 4 3 | | 25 | 0445 | 12.4 | 3 8 |
| | 1055 | 1.4 | 4 | | | 1120 | 2.2 | 7 |
| SU | 1610 | 17.3 | 5 3 | | MO | 1645 | 15.5 | 4 7 |
| DI | | | | | LU | | | |
| 11 | 0005 | 1.0 | 3 | | 26 | 0030 | 1.4 | 4 |
| | 0445 | 14.6 | 4 5 | | | 0525 | 12.9 | 3 9 |
| MO | 1155 | 1.3 | 4 | | TU | 1205 | 2.1 | 6 |
| LU | 1700 | 18.2 | 5 5 | | MA | 1730 | 16.1 | 4 9 |
| 12 | 0100 | .9 | 3 | | 27 | 0115 | 1.3 | 4 |
| | 0540 | 14.8 | 4 5 | | | 0610 | 13.2 | 4 0 |
| TU | 1245 | 1.2 | 4 | | WE | 1250 | 1.9 | 6 |
| MA | 1750 | 18.8 | 5 7 | | ME | 1810 | 16.6 | 5 1 |
| 13 | 0155 | 1.0 | 3 | | 28 | 0155 | 1.3 | 4 |
| | 0630 | 15.0 | 4 6 | | | 0645 | 13.6 | 4 1 |
| WE | 1340 | 1.2 | 4 | | TH | 1335 | 1.8 | 5 |
| ME | 1840 | 18.9 | 5 8 | | JE | 1850 | 17.1 | 5 2 |
| 14 | 0245 | 1.1 | 3 | | 29 | 0235 | 1.2 | 4 |
| | 0720 | 15.0 | 4 6 | | | 0725 | 13.9 | 4 2 |
| TH | 1425 | 1.3 | 4 | | FR | 1420 | 1.6 | 5 |
| JE | 1930 | 18.7 | 5 7 | | VE | 1930 | 17.4 | 5 3 |
| 15 | 0330 | 1.2 | 4 | | 30 | 0315 | 1.2 | 4 |
| | 0810 | 14.8 | 4 5 | | | 0800 | 14.3 | 4 4 |
| FR | 1515 | 1.4 | 4 | | SA | 1500 | 1.4 | 4 |
| VE | 2020 | 18.3 | 5 6 | | SA | 2005 | 17.4 | 5 3 |
| | | | | | 31 | 0350 | 1.1 | 3 |
| | | | | | | 0835 | 14.6 | 4 5 |
| | | | | | SU | 1540 | 1.3 | 4 |
| | | | | | DI | 2045 | 17.0 | 5 2 |

# GRONDINES (EST)



1989

## JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0255 | **8.9** | 2 7 | 16 | 0315 | **9.7** | 3 0 |
| | 1050 | **3.4** | 1 0 | | 1115 | **3.6** | 1 1 |
| SU | 1520 | **9.5** | 2 9 | MO | 1545 | **11.1** | 3 4 |
| DI | 2345 | **3.3** | 1 0 | LU | | | |
| 2 | 0400 | **8.4** | 2 6 | 17 | 0035 | **3.6** | 1 1 |
| | 1145 | **3.1** | 9 | | 0430 | **9.1** | 2 8 |
| MO | 1615 | **9.7** | 3 0 | TU | 1220 | **3.4** | 1 0 |
| LU | | | | MA | 1655 | **11.2** | 3 4 |
| 3 | 0055 | **3.1** | 9 | 18 | 0155 | **3.5** | 1 1 |
| | 0505 | **8.2** | 2 5 | | 0550 | **9.0** | 2 7 |
| TU | 1240 | **2.9** | 9 | WE | 1330 | **3.3** | 1 0 |
| MA | 1715 | **10.1** | 3 1 | ME | 1805 | **11.5** | 3 5 |
| 4 | 0155 | **3.0** | 9 | 19 | 0305 | **3.5** | 1 1 |
| | 0605 | **8.3** | 2 5 | | 0655 | **9.2** | 2 8 |
| WE | 1330 | **2.7** | 8 | TH | 1435 | **3.3** | 1 0 |
| ME | 1810 | **10.6** | 3 2 | JE | 1905 | **11.8** | 3 6 |
| 5 | 0255 | **2.9** | 9 | 20 | 0400 | **3.6** | 1 1 |
| | 0700 | **8.7** | 2 7 | | 0750 | **9.6** | 2 9 |
| TH | 1425 | **2.7** | 8 | FR | 1530 | **3.3** | 1 0 |
| JE | 1900 | **11.2** | 3 4 | VE | 2000 | **12.0** | 3 7 |
| 6 | 0345 | **3.1** | 9 | 21 | 0450 | **3.7** | 1 1 |
| | 0750 | **9.2** | 2 8 | | 0835 | **10.0** | 3 0 |
| FR | 1515 | **2.9** | 9 | SA | 1620 | **3.4** | 1 0 |
| VE | 1945 | **11.8** | 3 6 | SA | 2045 | **12.1** | 3 7 |
| 7 | 0435 | **3.4** | 1 0 | 22 | 0535 | **3.8** | 1 2 |
| | 0835 | **9.8** | 3 0 | | 0920 | **10.2** | 3 1 |
| SA | 1605 | **3.2** | 1 0 | SU | 1705 | **3.6** | 1 1 |
| SA | 2035 | **12.3** | 3 7 | DI | 2125 | **12.2** | 3 7 |
| 8 | 0525 | **3.6** | 1 1 | 23 | 0610 | **3.9** | 1 2 |
| | 0920 | **10.3** | 3 1 | | 0955 | **10.4** | 3 2 |
| SU | 1655 | **3.4** | 1 0 | MO | 1745 | **3.7** | 1 1 |
| DI | 2115 | **12.7** | 3 9 | LU | 2200 | **12.1** | 3 7 |
| 9 | 0605 | **3.9** | 1 2 | 24 | 0645 | **4.0** | 1 2 |
| | 1000 | **10.7** | 3 3 | | 1030 | **10.6** | 3 2 |
| MO | 1745 | **3.7** | 1 1 | TU | 1825 | **3.8** | 1 2 |
| LU | 2200 | **12.9** | 3 9 | MA | 2235 | **12.0** | 3 7 |
| 10 | 0650 | **4.1** | 1 2 | 25 | 0710 | **4.0** | 1 2 |
| | 1040 | **11.1** | 3 4 | | 1100 | **10.7** | 3 3 |
| TU | 1835 | **3.9** | 1 2 | WE | 1905 | **3.9** | 1 2 |
| MA | 2245 | **12.9** | 3 9 | ME | 2310 | **11.8** | 3 5 |
| 11 | 0730 | **4.3** | 1 3 | 26 | 0740 | **4.0** | 1 2 |
| | 1120 | **11.4** | 3 5 | | 1135 | **10.7** | 3 3 |
| WE | 1920 | **4.1** | 1 2 | TH | 1940 | **3.9** | 1 2 |
| ME | 2330 | **12.6** | 3 8 | JE | 2345 | **11.1** | 3 4 |
| 12 | 0805 | **4.3** | 1 3 | 27 | 0810 | **3.9** | 1 2 |
| | 1205 | **11.5** | 3 5 | | 1210 | **10.5** | 3 2 |
| TH | 2015 | **4.2** | 1 3 | FR | 2015 | **3.9** | 1 2 |
| JE | | | | VE | | | |
| 13 | 0015 | **12.1** | 3 7 | 28 | 0020 | **10.5** | 3 2 |
| | 0845 | **4.3** | 1 3 | | 0835 | **3.8** | 1 2 |
| FR | 1250 | **11.5** | 3 5 | SA | 1245 | **10.4** | 3 2 |
| VE | 2105 | **4.2** | 1 3 | SA | 2055 | **3.8** | 1 2 |
| 14 | 0105 | **11.4** | 3 5 | 29 | 0100 | **9.7** | 3 0 |
| | 0930 | **4.1** | 1 2 | | 0905 | **3.6** | 1 1 |
| SA | 1340 | **11.4** | 3 5 | SU | 1320 | **10.1** | 3 1 |
| SA | 2205 | **4.1** | 1 2 | DI | 2145 | **3.7** | 1 1 |
| 15 | 0205 | **10.5** | 3 2 | 30 | 0150 | **8.8** | 2 7 |
| | 1020 | **3.9** | 1 2 | | 0945 | **3.3** | 1 0 |
| SU | 1440 | **11.2** | 3 4 | MO | 1410 | **9.7** | 3 0 |
| DI | 2320 | **3.9** | 1 2 | LU | 2245 | **3.4** | 1 0 |
| | | | | 31 | 0255 | **8.0** | 2 4 |
| | | | | | 1035 | **3.1** | 9 |
| | | | | TU | 1510 | **9.6** | 2 9 |
| | | | | MA | | | |

## FEBRUARY-FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0000 | **3.1** | 9 | 16 | 0145 | **3.8** | 1 2 |
| | 0410 | **7.5** | 2 3 | | 0535 | **8.6** | 2 6 |
| WE | 1145 | **2.9** | 9 | TH | 1320 | **3.6** | 1 1 |
| ME | 1620 | **9.7** | 3 0 | JE | 1750 | **11.2** | 3 4 |
| 2 | 0115 | **2.9** | 9 | 17 | 0300 | **3.7** | 1 1 |
| | 0525 | **7.6** | 2 3 | | 0645 | **9.1** | 2 8 |
| TH | 1255 | **2.6** | 8 | FR | 1430 | **3.6** | 1 1 |
| JE | 1730 | **10.1** | 3 1 | VE | 1900 | **11.5** | 3 5 |
| 3 | 0225 | **2.6** | 8 | 18 | 0355 | **3.8** | 1 2 |
| | 0630 | **8.1** | 2 5 | | 0740 | **9.7** | 3 0 |
| FR | 1400 | **2.6** | 8 | SA | 1530 | **3.6** | 1 1 |
| VE | 1835 | **10.8** | 3 3 | SA | 1955 | **11.9** | 3 6 |
| 4 | 0325 | **2.9** | 9 | 19 | 0440 | **4.0** | 1 2 |
| | 0725 | **8.9** | 2 7 | | 0825 | **10.4** | 3 2 |
| SA | 1500 | **2.8** | 9 | SU | 1620 | **3.7** | 1 1 |
| SA | 1930 | **11.6** | 3 5 | DI | 2035 | **12.2** | 3 7 |
| 5 | 0420 | **3.3** | 1 0 | 20 | 0515 | **4.2** | 1 3 |
| | 0815 | **9.9** | 3 0 | | 0855 | **10.9** | 3 3 |
| SU | 1555 | **3.2** | 1 0 | MO | 1700 | **3.9** | 1 2 |
| DI | 2020 | **12.3** | 3 7 | LU | 2110 | **12.3** | 3 7 |
| 6 | 0510 | **3.7** | 1 1 | 21 | 0550 | **4.3** | 1 3 |
| | 0855 | **10.8** | 3 3 | | 0930 | **11.3** | 3 4 |
| MO | 1650 | **3.5** | 1 1 | TU | 1740 | **4.1** | 1 2 |
| LU | 2100 | **12.9** | 3 9 | MA | 2140 | **12.4** | 3 8 |
| 7 | 0550 | **4.1** | 1 2 | 22 | 0615 | **4.4** | 1 3 |
| | 0935 | **11.5** | 3 5 | | 1000 | **11.7** | 3 6 |
| TU | 1740 | **3.9** | 1 2 | WE | 1815 | **4.2** | 1 3 |
| MA | 2145 | **13.2** | 4 0 | ME | 2210 | **12.3** | 3 7 |
| 8 | 0630 | **4.3** | 1 3 | 23 | 0640 | **4.5** | 1 4 |
| | 1015 | **12.1** | 3 7 | | 1025 | **11.9** | 3 6 |
| WE | 1830 | **4.2** | 1 3 | TH | 1845 | **4.4** | 1 3 |
| ME | 2225 | **13.2** | 4 0 | JE | 2240 | **12.1** | 3 7 |
| 9 | 0710 | **4.5** | 1 4 | 24 | 0705 | **4.5** | 1 4 |
| | 1050 | **12.5** | 3 8 | | 1055 | **12.0** | 3 7 |
| TH | 1920 | **4.4** | 1 3 | FR | 1920 | **4.5** | 1 4 |
| JE | 2310 | **12.9** | 3 9 | VE | 2310 | **11.7** | 3 6 |
| 10 | 0745 | **4.6** | 1 4 | 25 | 0730 | **4.5** | 1 4 |
| | 1135 | **12.6** | 3 8 | | 1125 | **11.9** | 3 6 |
| FR | 2005 | **4.6** | 1 4 | SA | 1955 | **4.6** | 1 4 |
| VE | 2350 | **12.3** | 3 7 | SA | 2340 | **11.2** | 3 4 |
| 11 | 0820 | **4.6** | 1 4 | 26 | 0755 | **4.5** | 1 4 |
| | 1215 | **12.5** | 3 8 | | 1155 | **11.8** | 3 6 |
| SA | 2055 | **4.7** | 1 4 | SU | 2030 | **4.6** | 1 4 |
| SA | | | | DI | | | |
| 12 | 0040 | **11.5** | 3 5 | 27 | 0015 | **10.5** | 3 2 |
| | 0900 | **4.5** | 1 4 | | 0820 | **4.4** | 1 3 |
| SU | 1305 | **12.2** | 3 7 | MO | 1230 | **11.4** | 3 5 |
| DI | 2155 | **4.5** | 1 4 | LU | 2110 | **4.6** | 1 4 |
| 13 | 0135 | **10.5** | 3 2 | 28 | 0100 | **9.6** | 2 9 |
| | 0945 | **4.3** | 1 3 | | 0855 | **4.3** | 1 3 |
| MO | 1400 | **11.6** | 3 5 | TU | 1315 | **10.9** | 3 3 |
| LU | 2300 | **4.3** | 1 3 | MA | 2210 | **4.4** | 1 3 |
| 14 | 0250 | **9.4** | 2 9 | | | | |
| | 1045 | **4.0** | 1 2 | | | | |
| TU | 1510 | **11.2** | 3 4 | | | | |
| MA | | | | | | | |
| 15 | 0020 | **4.0** | 1 2 | | | | |
| | 0410 | **8.7** | 2 7 | | | | |
| WE | 1200 | **3.7** | 1 1 | | | | |
| ME | 1635 | **11.0** | 3 4 | | | | |

## MARCH-MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0205 | **8.7** | 2 7 | 16 | 0005 | **4.8** | 1 5 |
| | 0950 | **4.1** | 1 2 | | 0355 | **9.2** | 2 8 |
| WE | 1415 | **10.5** | 3 2 | TH | 1145 | **4.7** | 1 4 |
| ME | 2320 | **4.1** | 1 2 | JE | 1610 | **11.5** | 3 5 |
| 2 | 0325 | **8.2** | 2 5 | 17 | 0130 | **4.7** | 1 4 |
| | 1105 | **3.8** | 1 2 | | 0520 | **9.3** | 2 8 |
| TH | 1535 | **10.4** | 3 2 | FR | 1310 | **4.5** | 1 4 |
| JE | | | | VE | 1735 | **11.5** | 3 5 |
| 3 | 0045 | **3.8** | 1 2 | 18 | 0240 | **4.6** | 1 4 |
| | 0450 | **8.3** | 2 5 | | 0630 | **9.9** | 3 0 |
| FR | 1225 | **3.6** | 1 1 | SA | 1425 | **4.5** | 1 4 |
| VE | 1655 | **10.7** | 3 3 | SA | 1845 | **11.9** | 3 6 |
| 4 | 0200 | **3.7** | 1 1 | 19 | 0335 | **4.7** | 1 4 |
| | 0600 | **8.9** | 2 7 | | 0720 | **10.7** | 3 3 |
| SA | 1345 | **3.6** | 1 1 | SU | 1525 | **4.5** | 1 4 |
| SA | 1805 | **11.4** | 3 5 | DI | 1935 | **12.2** | 3 7 |
| 5 | 0305 | **3.9** | 1 2 | 20 | 0415 | **4.8** | 1 5 |
| | 0700 | **10.0** | 3 0 | | 0800 | **11.5** | 3 5 |
| SU | 1450 | **3.8** | 1 2 | MO | 1610 | **4.6** | 1 4 |
| DI | 1910 | **12.3** | 3 7 | LU | 2010 | **12.5** | 3 8 |
| 6 | 0400 | **4.2** | 1 3 | 21 | 0450 | **4.8** | 1 5 |
| | 0745 | **11.2** | 3 4 | | 0830 | **12.1** | 3 7 |
| MO | 1550 | **4.2** | 1 3 | TU | 1650 | **4.7** | 1 4 |
| LU | 1955 | **13.1** | 4 0 | MA | 2045 | **12.7** | 3 9 |
| 7 | 0445 | **4.6** | 1 4 | 22 | 0520 | **5.1** | 1 6 |
| | 0825 | **12.3** | 3 7 | | 0855 | **12.6** | 3 8 |
| TU | 1645 | **4.6** | 1 4 | WE | 1725 | **4.9** | 1 5 |
| MA | 2040 | **13.6** | 4 1 | ME | 2115 | **12.8** | 3 9 |
| 8 | 0525 | **5.0** | 1 5 | 23 | 0545 | **5.1** | 1 6 |
| | 0905 | **13.1** | 4 0 | | 0925 | **12.9** | 3 9 |
| WE | 1735 | **4.9** | 1 5 | TH | 1755 | **5.0** | 1 5 |
| ME | 2125 | **13.8** | 4 2 | JE | 2140 | **12.8** | 3 9 |
| 9 | 0605 | **5.2** | 1 6 | 24 | 0605 | **5.2** | 1 6 |
| | 0940 | **13.7** | 4 2 | | 0950 | **13.2** | 4 0 |
| TH | 1825 | **5.1** | 1 6 | FR | 1830 | **5.2** | 1 6 |
| JE | 2205 | **13.8** | 4 2 | VE | 2210 | **12.6** | 3 8 |
| 10 | 0640 | **5.4** | 1 6 | 25 | 0630 | **5.2** | 1 6 |
| | 1020 | **14.1** | 4 3 | | 1015 | **13.3** | 4 1 |
| FR | 1915 | **5.3** | 1 6 | SA | 1900 | **5.3** | 1 6 |
| VE | 2245 | **13.5** | 4 1 | SA | 2240 | **12.3** | 3 7 |
| 11 | 0715 | **5.5** | 1 7 | 26 | 0655 | **5.3** | 1 6 |
| | 1100 | **14.1** | 4 3 | | 1045 | **13.2** | 4 0 |
| SA | 2000 | **5.5** | 1 7 | SU | 1935 | **5.4** | 1 6 |
| SA | 2330 | **12.9** | 3 9 | DI | 2315 | **11.9** | 3 6 |
| 12 | 0755 | **5.5** | 1 7 | 27 | 0720 | **5.3** | 1 6 |
| | 1145 | **13.8** | 4 2 | | 1120 | **13.0** | 4 0 |
| SU | 2050 | **5.5** | 1 7 | MO | 2010 | **5.5** | 1 7 |
| DI | | | | LU | 2350 | **11.3** | 3 4 |
| 13 | 0020 | **12.0** | 3 7 | 28 | 0750 | **5.2** | 1 6 |
| | 0835 | **5.4** | 1 6 | | 1155 | **12.7** | 3 9 |
| MO | 1235 | **13.3** | 4 1 | TU | 2055 | **5.4** | 1 6 |
| LU | 2140 | **5.4** | 1 6 | MA | | | |
| 14 | 0115 | **11.0** | 3 4 | 29 | 0035 | **10.5** | 3 2 |
| | 0920 | **5.2** | 1 6 | | 0830 | **5.1** | 1 6 |
| TU | 1330 | **12.5** | 3 8 | WE | 1240 | **12.1** | 3 7 |
| MA | 2245 | **5.1** | 1 6 | ME | 2145 | **5.3** | 1 6 |
| 15 | 0230 | **9.9** | 3 0 | 30 | 0135 | **9.7** | 3 0 |
| | 1025 | **4.9** | 1 5 | | 0925 | **5.0** | 1 5 |
| WE | 1445 | **11.8** | 3 6 | TH | 1345 | **11.6** | 3 5 |
| ME | | | | JE | 2255 | **5.0** | 1 5 |
| | | | | 31 | 0250 | **9.3** | 2 8 |
| | | | | | 1040 | **4.8** | 1 5 |
| | | | | FR | 1505 | **11.3** | 3 4 |
| | | | | VE | | | |

V-3



Fluctuations in river outflow may cause actual water levels to differ from these predicted values

## TABLE DES MARÉES

## GRONDINES (HNE 2 - 5)

1989

### APRIL AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0015 | 4.8 | 1 5 | 16 | 0205 | 4.6 | 1 4 |
| | 0415 | 9.5 | 2 9 | | 0600 | 10.0 | 3 0 |
| SA | 1205 | 4.7 | 1 4 | SU | 1405 | 4.4 | 1 3 |
| SA | 1625 | 11.6 | 3 5 | DI | 1815 | 11.2 | 3 4 |
| 2 | 0130 | 4.7 | 1 4 | 17 | 0255 | 4.5 | 1 4 |
| | 0530 | 10.2 | 3 1 | | 0645 | 10.8 | 3 3 |
| SU | 1325 | 4.6 | 1 4 | MO | 1505 | 4.3 | 1 3 |
| DI | 1740 | 12.1 | 3 7 | LU | 1900 | 11.3 | 3 4 |
| 3 | 0235 | 4.8 | 1 5 | 18 | 0335 | 4.4 | 1 3 |
| | 0625 | 11.3 | 3 4 | | 0720 | 11.4 | 3 5 |
| MO | 1435 | 4.7 | 1 4 | TU | 1550 | 4.3 | 1 3 |
| LU | 1840 | 12.7 | 3 9 | MA | 1940 | 11.5 | 3 5 |
| 4 | 0330 | 5.0 | 1 5 | 19 | 0405 | 4.4 | 1 3 |
| | 0715 | 12.5 | 3 8 | | 0750 | 11.9 | 3 6 |
| TU | 1535 | 5.0 | 1 5 | WE | 1630 | 4.3 | 1 3 |
| MA | 1930 | 13.4 | 4 1 | ME | 2015 | 11.6 | 3 5 |
| 5 | 0415 | 5.3 | 1 6 | 20 | 0435 | 4.5 | 1 4 |
| | 0755 | 13.5 | 4 1 | | 0820 | 12.3 | 3 7 |
| WE | 1635 | 5.3 | 1 6 | TH | 1705 | 4.4 | 1 3 |
| ME | 2015 | 13.8 | 4 2 | JE | 2045 | 11.7 | 3 6 |
| 6 | 0455 | 5.6 | 1 7 | 21 | 0500 | 4.5 | 1 4 |
| | 0830 | 14.3 | 4 4 | | 0850 | 12.6 | 3 8 |
| TH | 1725 | 5.5 | 1 7 | FR | 1735 | 4.5 | 1 4 |
| JE | 2100 | 13.9 | 4 2 | VE | 2115 | 11.6 | 3 5 |
| 7 | 0530 | 5.6 | 1 7 | 22 | 0525 | 4.5 | 1 4 |
| | 0910 | 14.7 | 4 5 | | 0915 | 12.7 | 3 9 |
| FR | 1815 | 5.6 | 1 7 | SA | 1810 | 4.5 | 1 4 |
| VE | 2145 | 13.7 | 4 2 | SA | 2145 | 11.5 | 3 5 |
| 8 | 0610 | 5.7 | 1 7 | 23 | 0555 | 4.4 | 1 3 |
| | 0950 | 14.8 | 4 5 | | 0945 | 12.8 | 3 9 |
| SA | 1905 | 5.7 | 1 7 | SU | 1845 | 4.6 | 1 4 |
| SA | 2225 | 13.3 | 4 1 | DI | 2220 | 11.2 | 3 4 |
| 9 | 0650 | 5.6 | 1 7 | 24 | 0625 | 4.4 | 1 3 |
| | 1035 | 14.6 | 4 5 | | 1020 | 12.7 | 3 9 |
| SU | 1950 | 5.7 | 1 7 | MO | 1920 | 4.6 | 1 4 |
| DI | 2315 | 12.7 | 3 9 | LU | 2255 | 10.8 | 3 3 |
| 10 | 0730 | 5.5 | 1 7 | 25 | 0655 | 4.3 | 1 3 |
| | 1120 | 14.2 | 4 3 | | 1055 | 12.4 | 3 8 |
| MO | 2040 | 5.6 | 1 7 | TU | 2000 | 4.5 | 1 4 |
| LU | | | | MA | 2335 | 10.3 | 3 1 |
| 11 | 0005 | 11.9 | 3 6 | 26 | 0735 | 4.2 | 1 3 |
| | 0815 | 5.4 | 1 6 | | 1140 | 12.0 | 3 7 |
| TU | 1210 | 13.5 | 4 1 | WE | 2045 | 4.4 | 1 3 |
| MA | 2130 | 5.5 | 1 7 | ME | | | |
| 12 | 0100 | 11.0 | 3 4 | 27 | 0025 | 9.8 | 3 0 |
| | 0905 | 5.2 | 1 6 | | 0815 | 4.1 | 1 2 |
| WE | 1310 | 12.6 | 3 8 | TH | 1225 | 11.5 | 3 5 |
| ME | 2230 | 5.2 | 1 6 | JE | 2135 | 4.3 | 1 3 |
| 13 | 0210 | 10.1 | 3 1 | 28 | 0120 | 9.2 | 2 8 |
| | 1005 | 5.0 | 1 5 | | 0910 | 4.0 | 1 2 |
| TH | 1420 | 11.8 | 3 6 | FR | 1325 | 11.0 | 3 4 |
| JE | 2340 | 4.9 | 1 5 | VE | 2235 | 4.0 | 1 2 |
| 14 | 0330 | 9.5 | 2 9 | 29 | 0230 | 9.0 | 2 7 |
| | 1125 | 4.8 | 1 5 | | 1025 | 3.8 | 1 2 |
| FR | 1540 | 11.2 | 3 4 | SA | 1440 | 10.6 | 3 2 |
| VE | | | | SA | 2345 | 3.9 | 1 2 |
| 15 | 0055 | 4.7 | 1 4 | 30 | 0345 | 9.3 | 2 8 |
| | 0450 | 9.5 | 2 9 | | 1145 | 3.8 | 1 2 |
| SA | 1250 | 4.6 | 1 4 | SU | 1600 | 10.6 | 3 2 |
| SA | 1705 | 11.1 | 3 4 | DI | | | |

### MAY MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0055 | 3.8 | 1 2 | 16 | 0150 | 3.7 | 1 1 |
| | 0450 | 10.0 | 3 0 | | 0600 | 10.2 | 3 1 |
| MO | 1305 | 3.9 | 1 2 | TU | 1425 | 3.7 | 1 1 |
| LU | 1710 | 11.0 | 3 4 | MA | 1820 | 9.8 | 3 0 |
| 2 | 0150 | 3.9 | 1 2 | 17 | 0235 | 3.8 | 1 1 |
| | 0545 | 11.0 | 3 4 | | 0635 | 10.7 | 3 3 |
| TU | 1415 | 4.0 | 1 2 | WE | 1515 | 3.8 | 1 1 |
| MA | 1810 | 11.4 | 3 5 | ME | 1905 | 9.9 | 3 0 |
| 3 | 0245 | 4.1 | 1 2 | 18 | 0305 | 3.8 | 1 1 |
| | 0635 | 12.0 | 3 7 | | 0710 | 11.2 | 3 4 |
| WE | 1520 | 4.2 | 1 3 | TH | 1555 | 3.8 | 1 1 |
| ME | 1905 | 11.8 | 3 6 | JE | 1940 | 10.1 | 3 1 |
| 4 | 0330 | 4.3 | 1 3 | 19 | 0340 | 3.8 | 1 1 |
| | 0720 | 12.9 | 3 9 | | 0745 | 11.6 | 3 5 |
| TH | 1615 | 4.4 | 1 3 | FR | 1635 | 3.7 | 1 1 |
| JE | 1955 | 12.2 | 3 7 | VE | 2020 | 10.3 | 3 1 |
| 5 | 0415 | 4.6 | 1 4 | 20 | 0415 | 3.7 | 1 1 |
| | 0800 | 13.6 | 4 1 | | 0820 | 12.0 | 3 7 |
| FR | 1710 | 4.7 | 1 4 | SA | 1710 | 3.8 | 1 2 |
| VE | 2040 | 12.3 | 3 7 | SA | 2050 | 10.4 | 3 2 |
| 6 | 0455 | 4.7 | 1 4 | 21 | 0450 | 3.7 | 1 1 |
| | 0845 | 14.0 | 4 3 | | 0850 | 12.2 | 3 7 |
| SA | 1800 | 4.8 | 1 5 | SU | 1750 | 3.9 | 1 2 |
| SA | 2125 | 12.1 | 3 7 | DI | 2125 | 10.4 | 3 2 |
| 7 | 0535 | 4.7 | 1 4 | 22 | 0520 | 3.8 | 1 2 |
| | 0925 | 14.0 | 4 3 | | 0925 | 12.3 | 3 7 |
| SU | 1850 | 4.8 | 1 5 | MO | 1825 | 3.9 | 1 2 |
| DI | 2215 | 11.8 | 3 6 | LU | 2205 | 10.4 | 3 2 |
| 8 | 0620 | 4.6 | 1 4 | 23 | 0555 | 3.7 | 1 1 |
| | 1015 | 13.7 | 4 2 | | 1005 | 12.3 | 3 7 |
| MO | 1935 | 4.8 | 1 5 | TU | 1905 | 4.0 | 1 2 |
| LU | 2300 | 11.3 | 3 4 | MA | 2245 | 10.2 | 3 1 |
| 9 | 0705 | 4.6 | 1 4 | 24 | 0635 | 3.7 | 1 1 |
| | 1105 | 13.3 | 4 1 | | 1045 | 12.1 | 3 7 |
| TU | 2020 | 4.7 | 1 4 | WE | 1945 | 4.0 | 1 2 |
| MA | 2350 | 10.8 | 3 3 | ME | 2330 | 10.0 | 3 0 |
| 10 | 0755 | 4.5 | 1 4 | 25 | 0720 | 3.7 | 1 1 |
| | 1155 | 12.7 | 3 9 | | 1130 | 11.9 | 3 6 |
| WE | 2110 | 4.6 | 1 4 | TH | 2030 | 3.9 | 1 2 |
| ME | | | | JE | | | |
| 11 | 0045 | 10.2 | 3 1 | 26 | 0015 | 9.9 | 3 0 |
| | 0845 | 4.4 | 1 3 | | 0810 | 3.7 | 1 1 |
| TH | 1250 | 12.0 | 3 7 | FR | 1220 | 11.6 | 3 5 |
| JE | 2200 | 4.4 | 1 3 | VE | 2115 | 3.9 | 1 2 |
| 12 | 0150 | 9.7 | 3 0 | 27 | 0105 | 9.7 | 3 0 |
| | 0945 | 4.3 | 1 3 | | 0905 | 3.7 | 1 1 |
| FR | 1355 | 11.2 | 3 4 | SA | 1315 | 11.2 | 3 4 |
| VE | 2300 | 4.2 | 1 3 | SA | 2210 | 3.8 | 1 2 |
| 13 | 0255 | 9.3 | 2 8 | 28 | 0205 | 9.7 | 3 0 |
| | 1055 | 4.2 | 1 3 | | 1010 | 3.7 | 1 1 |
| SA | 1505 | 10.5 | 3 2 | SU | 1420 | 10.8 | 3 3 |
| SA | | | | DI | 2305 | 3.7 | 1 1 |
| 14 | 0005 | 4.0 | 1 2 | 29 | 0310 | 10.0 | 3 0 |
| | 0405 | 9.3 | 2 8 | | 1125 | 3.7 | 1 1 |
| SU | 1210 | 4.0 | 1 2 | MO | 1530 | 10.5 | 3 2 |
| DI | 1620 | 10.0 | 3 0 | LU | | | |
| 15 | 0100 | 3.9 | 1 2 | 30 | 0005 | 3.7 | 1 1 |
| | 0510 | 9.6 | 2 9 | | 0410 | 10.6 | 3 2 |
| MO | 1325 | 3.8 | 1 2 | TU | 1240 | 3.7 | 1 1 |
| LU | 1730 | 9.8 | 3 0 | MA | 1640 | 10.5 | 3 2 |
| | | | | 31 | 0100 | 3.7 | 1 1 |
| | | | | | 0505 | 11.3 | 3 4 |
| | | | | WE | 1350 | 3.8 | 1 2 |
| | | | | ME | 1745 | 10.6 | 3 2 |

### JUNE JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0155 | 3.8 | 1 2 | 16 | 0205 | 2.9 | 0 9 |
| | 0600 | 12.1 | 3 7 | | 0635 | 10.5 | 3 2 |
| TH | 1455 | 4.0 | 1 2 | FR | 1515 | 3.1 | 0 9 |
| JE | 1845 | 10.8 | 3 3 | VE | 1910 | 8.8 | 2 7 |
| 2 | 0250 | 4.0 | 1 2 | 17 | 0250 | 2.9 | 0 9 |
| | 0655 | 12.7 | 3 9 | | 0715 | 10.9 | 3 3 |
| FR | 1555 | 4.2 | 1 3 | SA | 1600 | 3.2 | 1 0 |
| VE | 1935 | 11.0 | 3 4 | SA | 1955 | 9.1 | 2 8 |
| 3 | 0340 | 4.1 | 1 2 | 18 | 0330 | 3.0 | 0 9 |
| | 0745 | 13.2 | 4 0 | | 0755 | 11.4 | 3 5 |
| SA | 1650 | 4.3 | 1 3 | SU | 1645 | 3.3 | 1 0 |
| SA | 2030 | 11.2 | 3 4 | DI | 2035 | 9.4 | 2 9 |
| 4 | 0425 | 4.2 | 1 3 | 19 | 0415 | 3.1 | 0 9 |
| | 0830 | 13.4 | 4 1 | | 0835 | 11.7 | 3 6 |
| SU | 1740 | 4.4 | 1 3 | MO | 1725 | 3.4 | 1 0 |
| DI | 2115 | 11.1 | 3 4 | LU | 2115 | 9.7 | 3 0 |
| 5 | 0510 | 4.2 | 1 3 | 20 | 0455 | 3.2 | 1 0 |
| | 0915 | 13.3 | 4 1 | | 0915 | 11.9 | 3 6 |
| MO | 1830 | 4.4 | 1 3 | TU | 1805 | 3.5 | 1 1 |
| LU | 2205 | 10.9 | 3 3 | MA | 2155 | 9.9 | 3 0 |
| 6 | 0600 | 4.2 | 1 3 | 21 | 0540 | 3.3 | 1 0 |
| | 1005 | 13.1 | 4 0 | | 0955 | 12.1 | 3 7 |
| TU | 1915 | 4.4 | 1 3 | WE | 1845 | 3.6 | 1 1 |
| MA | 2255 | 10.7 | 3 3 | ME | 2235 | 10.1 | 3 1 |
| 7 | 0645 | 4.1 | 1 2 | 22 | 0620 | 3.3 | 1 0 |
| | 1055 | 12.8 | 3 9 | | 1040 | 12.0 | 3 7 |
| WE | 2000 | 4.3 | 1 3 | TH | 1925 | 3.8 | 1 1 |
| ME | 2340 | 10.5 | 3 2 | JE | 2315 | 10.3 | 3 1 |
| 8 | 0735 | 4.1 | 1 2 | 23 | 0710 | 3.4 | 1 0 |
| | 1140 | 12.3 | 3 7 | | 1125 | 11.9 | 3 6 |
| TH | 2040 | 4.2 | 1 3 | FR | 2005 | 3.8 | 1 1 |
| JE | | | | VE | | | |
| 9 | 0030 | 10.2 | 3 1 | 24 | 0000 | 10.3 | 3 1 |
| | 0820 | 4.0 | 1 2 | | 0800 | 3.5 | 1 1 |
| FR | 1230 | 11.6 | 3 5 | SA | 1210 | 11.6 | 3 5 |
| VE | 2125 | 4.1 | 1 2 | SA | 2050 | 3.6 | 1 1 |
| 10 | 0120 | 9.9 | 3 0 | 25 | 0050 | 10.4 | 3 2 |
| | 0910 | 3.9 | 1 2 | | 0850 | 3.5 | 1 1 |
| SA | 1320 | 10.9 | 3 3 | SU | 1300 | 11.2 | 3 4 |
| SA | 2210 | 3.9 | 1 2 | DI | 2135 | 3.5 | 1 1 |
| 11 | 0215 | 9.6 | 2 9 | 26 | 0140 | 10.5 | 3 2 |
| | 1010 | 3.6 | 1 2 | | 0950 | 3.5 | 1 1 |
| SU | 1420 | 10.0 | 3 0 | MO | 1355 | 10.6 | 3 2 |
| DI | 2255 | 3.6 | 1 1 | LU | 2220 | 3.4 | 1 0 |
| 12 | 0310 | 9.4 | 2 9 | 27 | 0230 | 10.6 | 3 2 |
| | 1120 | 3.6 | 1 1 | | 1055 | 3.4 | 1 0 |
| MO | 1525 | 9.3 | 2 8 | TU | 1500 | 10.0 | 3 0 |
| LU | 2345 | 3.4 | 1 0 | MA | 2315 | 3.3 | 1 0 |
| 13 | 0405 | 9.4 | 2 9 | 28 | 0330 | 10.8 | 3 3 |
| | 1225 | 3.4 | 1 0 | | 1210 | 3.4 | 1 0 |
| TU | 1630 | 8.8 | 2 7 | WE | 1615 | 9.8 | 2 9 |
| MA | | | | ME | | | |
| 14 | 0035 | 3.2 | 1 0 | 29 | 0010 | 3.2 | 1 0 |
| | 0500 | 9.7 | 3 0 | | 0435 | 11.2 | 3 4 |
| WE | 1330 | 3.2 | 1 0 | TH | 1325 | 3.4 | 1 0 |
| ME | 1730 | 8.8 | 2 6 | JE | 1725 | 9.4 | 2 9 |
| 15 | 0120 | 3.0 | 0 9 | 30 | 0110 | 3.3 | 1 0 |
| | 0550 | 10.1 | 3 1 | | 0540 | 11.5 | 3 5 |
| TH | 1425 | 3.1 | 0 9 | FR | 1435 | 3.5 | 1 1 |
| JE | 1825 | 8.6 | 2 6 | VE | 1830 | 9.5 | 2 9 |

V-3

Les niveaux d'eau réels peuvent s'écarter des valeurs prévues suite à des fluctuations du debit du fleuve

# GRONDINES (EST 2-5)

1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0215 | 3.3 | 1.0 | 16 | 0205 | 2.5 | .8 |
| | 0640 | 11.9 | 3.6 | | 0650 | 10.3 | 3.1 |
| SA | 1535 | 3.6 | 1.1 | SU | 1530 | 2.8 | .9 |
| SA | 1930 | 9.7 | 3.0 | DI | 1935 | 8.4 | 2.6 |
| 2 | 0310 | 3.4 | 1.0 | 17 | 0300 | 2.8 | .8 |
| | 0740 | 12.2 | 3.7 | | 0740 | 11.0 | 3.4 |
| SU | 1635 | 3.8 | 1.2 | MO | 1620 | 3.1 | .9 |
| DI | 2025 | 10.0 | 3.0 | LU | 2020 | 9.0 | 2.7 |
| 3 | 0405 | 3.6 | 1.1 | 18 | 0350 | 2.9 | .9 |
| | 0830 | 12.4 | 3.8 | | 0825 | 11.5 | 3.5 |
| MO | 1725 | 3.9 | 1.2 | TU | 1705 | 3.3 | 1.0 |
| LU | 2115 | 10.2 | 3.1 | MA | 2105 | 9.6 | 2.9 |
| 4 | 0455 | 3.6 | 1.1 | 19 | 0435 | 3.1 | .9 |
| | 0915 | 12.4 | 3.8 | | 0905 | 12.0 | 3.7 |
| TU | 1810 | 3.9 | 1.2 | WE | 1745 | 3.5 | 1.1 |
| MA | 2200 | 10.2 | 3.1 | ME | 2145 | 10.2 | 3.1 |
| 5 | 0540 | 3.7 | 1.1 | 20 | 0520 | 3.3 | 1.0 |
| | 1000 | 12.3 | 3.7 | | 0950 | 12.3 | 3.7 |
| WE | 1850 | 4.0 | 1.2 | TH | 1825 | 3.7 | 1.1 |
| ME | 2240 | 10.3 | 3.1 | JE | 2220 | 10.7 | 3.3 |
| 6 | 0625 | 3.7 | 1.1 | 21 | 0610 | 3.5 | 1.1 |
| | 1045 | 12.1 | 3.7 | | 1030 | 12.3 | 3.7 |
| TH | 1930 | 3.9 | 1.2 | FR | 1900 | 3.8 | 1.2 |
| JE | 2320 | 10.4 | 3.2 | VE | 2255 | 11.1 | 3.4 |
| 7 | 0710 | 3.7 | 1.1 | 22 | 0655 | 3.6 | 1.1 |
| | 1125 | 11.8 | 3.6 | | 1110 | 12.2 | 3.7 |
| FR | 2000 | 3.9 | 1.2 | SA | 1935 | 3.8 | 1.2 |
| VE | | | | SA | 2340 | 11.3 | 3.4 |
| 8 | 0000 | 10.3 | 3.1 | 23 | 0745 | 3.7 | 1.1 |
| | 0755 | 3.7 | 1.1 | | 1155 | 11.8 | 3.6 |
| SA | 1205 | 11.3 | 3.4 | SU | 2015 | 3.8 | 1.2 |
| SA | 2035 | 3.7 | 1.1 | DI | | | |
| 9 | 0040 | 10.1 | 3.1 | 24 | 0025 | 11.4 | 3.5 |
| | 0835 | 3.6 | 1.1 | | 0835 | 3.8 | 1.2 |
| SU | 1250 | 10.5 | 3.2 | MO | 1240 | 11.3 | 3.4 |
| DI | 2110 | 3.5 | 1.1 | LU | 2055 | 3.7 | 1.1 |
| 10 | 0125 | 9.9 | 3.0 | 25 | 0110 | 11.4 | 3.5 |
| | 0925 | 3.5 | 1.1 | | 0930 | 3.7 | 1.1 |
| MO | 1335 | 9.7 | 3.0 | TU | 1335 | 10.6 | 3.2 |
| LU | 2145 | 3.3 | 1.0 | MA | 2135 | 3.5 | 1.1 |
| 11 | 0210 | 9.7 | 3.0 | 26 | 0200 | 11.2 | 3.4 |
| | 1015 | 3.3 | 1.0 | | 1035 | 3.6 | 1.1 |
| TU | 1430 | 8.8 | 2.7 | WE | 1440 | 9.7 | 3.0 |
| MA | 2225 | 3.0 | .9 | ME | 2230 | 3.3 | 1.0 |
| 12 | 0300 | 9.4 | 2.9 | 27 | 0305 | 11.0 | 3.4 |
| | 1120 | 3.1 | .9 | | 1145 | 3.4 | 1.0 |
| WE | 1535 | 8.1 | 2.5 | TH | 1555 | 9.0 | 2.7 |
| ME | 2315 | 2.8 | .9 | JE | 2335 | 3.2 | 1.0 |
| 13 | 0400 | 9.4 | 2.9 | 28 | 0415 | 11.0 | 3.4 |
| | 1230 | 2.9 | .9 | | 1305 | 3.3 | 1.0 |
| TH | 1640 | 7.7 | 2.3 | FR | 1715 | 8.7 | 2.7 |
| JE | | | | VE | | | |
| 14 | 0010 | 2.6 | .8 | 29 | 0045 | 3.1 | .9 |
| | 0500 | 9.5 | 2.9 | | 0530 | 11.1 | 3.4 |
| FR | 1335 | 2.8 | .9 | SA | 1420 | 3.3 | 1.0 |
| VE | 1745 | 7.6 | 2.3 | SA | 1830 | 8.8 | 2.7 |
| 15 | 0110 | 2.5 | .8 | 30 | 0155 | 3.1 | .9 |
| | 0555 | 9.8 | 3.0 | | 0640 | 11.4 | 3.5 |
| SA | 1435 | 2.8 | .9 | SU | 1525 | 3.4 | 1.0 |
| SA | 1845 | 7.9 | 2.4 | DI | 1930 | 9.2 | 2.8 |
| | | | | 31 | 0300 | 3.2 | 1.0 |
| | | | | | 0740 | 11.7 | 3.6 |
| | | | | MO | 1620 | 3.6 | 1.1 |
| | | | | LU | 2020 | 9.7 | 3.0 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0355 | 3.4 | 1.0 | 16 | 0330 | 2.8 | .9 |
| | 0830 | 11.9 | 3.6 | | 0810 | 11.5 | 3.5 |
| TU | 1705 | 3.8 | 1.2 | WE | 1635 | 3.3 | 1.0 |
| MA | 2105 | 10.1 | 3.1 | ME | 2045 | 10.0 | 3.0 |
| 2 | 0445 | 3.5 | 1.1 | 17 | 0420 | 3.2 | 1.0 |
| | 0910 | 12.0 | 3.7 | | 0855 | 12.0 | 3.7 |
| WE | 1745 | 3.9 | 1.2 | TH | 1720 | 3.6 | 1.1 |
| ME | 2145 | 10.4 | 3.2 | JE | 2125 | 10.8 | 3.3 |
| 3 | 0530 | 3.6 | 1.1 | 18 | 0510 | 3.5 | 1.1 |
| | 0950 | 12.0 | 3.7 | | 0935 | 12.3 | 3.7 |
| TH | 1820 | 3.9 | 1.2 | FR | 1755 | 3.8 | 1.2 |
| JE | 2225 | 10.7 | 3.3 | VE | 2155 | 11.5 | 3.5 |
| 4 | 0610 | 3.7 | 1.1 | 19 | 0555 | 3.7 | 1.1 |
| | 1030 | 11.9 | 3.6 | | 1015 | 12.4 | 3.8 |
| FR | 1850 | 3.9 | 1.2 | SA | 1830 | 3.9 | 1.2 |
| VE | 2255 | 10.8 | 3.3 | SA | 2235 | 11.9 | 3.6 |
| 5 | 0650 | 3.7 | 1.1 | 20 | 0645 | 3.8 | 1.2 |
| | 1105 | 11.6 | 3.5 | | 1055 | 12.2 | 3.7 |
| SA | 1920 | 3.9 | 1.2 | SU | 1905 | 4.0 | 1.2 |
| SA | 2325 | 10.8 | 3.3 | DI | 2310 | 12.1 | 3.7 |
| 6 | 0725 | 3.7 | 1.1 | 21 | 0730 | 3.9 | 1.2 |
| | 1135 | 11.1 | 3.4 | | 1140 | 11.7 | 3.6 |
| SU | 1945 | 3.7 | 1.1 | MO | 1940 | 3.9 | 1.2 |
| DI | | | | LU | 2355 | 12.1 | 3.7 |
| 7 | 0000 | 10.7 | 3.3 | 22 | 0820 | 3.9 | 1.2 |
| | 0800 | 3.6 | 1.1 | | 1225 | 11.0 | 3.4 |
| MO | 1215 | 10.5 | 3.2 | TU | 2020 | 3.7 | 1.1 |
| LU | 2010 | 3.5 | 1.1 | MA | | | |
| 8 | 0035 | 10.5 | 3.2 | 23 | 0045 | 11.8 | 3.6 |
| | 0840 | 3.5 | 1.1 | | 0910 | 3.8 | 1.2 |
| TU | 1250 | 9.7 | 3.0 | WE | 1315 | 10.2 | 3.1 |
| MA | 2040 | 3.3 | 1.0 | ME | 2105 | 3.5 | 1.1 |
| 9 | 0115 | 10.2 | 3.1 | 24 | 0135 | 11.3 | 3.4 |
| | 0925 | 3.4 | 1.0 | | 1015 | 3.5 | 1.1 |
| WE | 1335 | 8.8 | 2.7 | TH | 1425 | 9.2 | 2.8 |
| ME | 2115 | 3.0 | .9 | JE | 2200 | 3.2 | 1.0 |
| 10 | 0200 | 9.8 | 3.0 | 25 | 0245 | 10.8 | 3.3 |
| | 1020 | 3.1 | .9 | | 1130 | 3.2 | 1.0 |
| TH | 1435 | 7.9 | 2.4 | FR | 1545 | 8.3 | 2.5 |
| JE | 2205 | 2.8 | .9 | VE | 2310 | 2.9 | .9 |
| 11 | 0300 | 9.4 | 2.9 | 26 | 0405 | 10.4 | 3.2 |
| | 1130 | 2.9 | .9 | | 1255 | 3.0 | .9 |
| FR | 1550 | 7.3 | 2.2 | SA | 1710 | 8.0 | 2.4 |
| VE | 2310 | 2.5 | .8 | SA | | | |
| 12 | 0410 | 9.2 | 2.8 | 27 | 0035 | 2.8 | .9 |
| | 1245 | 2.7 | .8 | | 0525 | 10.4 | 3.2 |
| SA | 1710 | 7.2 | 2.2 | SU | 1410 | 3.0 | .9 |
| SA | | | | DI | 1830 | 8.3 | 2.5 |
| 13 | 0020 | 2.4 | .7 | 28 | 0150 | 2.8 | .9 |
| | 0520 | 9.5 | 2.9 | | 0640 | 10.7 | 3.3 |
| SU | 1355 | 2.6 | .8 | MO | 1515 | 3.0 | .9 |
| DI | 1815 | 7.5 | 2.3 | LU | 1925 | 8.9 | 2.7 |
| 14 | 0130 | 2.3 | .7 | 29 | 0255 | 2.9 | .9 |
| | 0625 | 10.0 | 3.0 | | 0735 | 11.0 | 3.4 |
| MO | 1500 | 2.6 | .8 | TU | 1600 | 3.2 | 1.0 |
| LU | 1915 | 8.2 | 2.5 | MA | 2010 | 9.6 | 2.9 |
| 15 | 0235 | 2.5 | .8 | 30 | 0345 | 3.0 | .9 |
| | 0725 | 10.7 | 3.3 | | 0820 | 11.3 | 3.4 |
| TU | 1550 | 2.9 | .9 | WE | 1640 | 3.4 | 1.0 |
| MA | 2005 | 9.1 | 2.8 | ME | 2050 | 10.2 | 3.1 |
| | | | | 31 | 0435 | 3.2 | 1.0 |
| | | | | | 0900 | 11.4 | 3.5 |
| | | | | TH | 1715 | 3.6 | 1.1 |
| | | | | JE | 2125 | 10.6 | 3.2 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0515 | 3.4 | 1.0 | 16 | 0455 | 3.7 | 1.1 |
| | 0935 | 11.4 | 3.5 | | 0910 | 12.3 | 3.7 |
| FR | 1745 | 3.6 | 1.1 | SA | 1720 | 4.1 | 1.2 |
| VE | 2155 | 10.9 | 3.3 | SA | 2130 | 12.3 | 3.7 |
| 2 | 0550 | 3.5 | 1.1 | 17 | 0545 | 4.0 | 1.2 |
| | 1005 | 11.3 | 3.4 | | 0955 | 12.3 | 3.7 |
| SA | 1810 | 3.7 | 1.1 | SU | 1800 | 4.2 | 1.3 |
| SA | 2225 | 11.1 | 3.4 | DI | 2205 | 12.8 | 3.9 |
| 3 | 0625 | 3.6 | 1.1 | 18 | 0630 | 4.2 | 1.3 |
| | 1035 | 11.1 | 3.4 | | 1035 | 12.1 | 3.7 |
| SU | 1835 | 3.6 | 1.1 | MO | 1835 | 4.2 | 1.3 |
| DI | 2250 | 11.2 | 3.4 | LU | 2245 | 12.9 | 3.9 |
| 4 | 0655 | 3.6 | 1.1 | 19 | 0720 | 4.2 | 1.3 |
| | 1105 | 10.7 | 3.3 | | 1120 | 11.6 | 3.5 |
| MO | 1900 | 3.6 | 1.1 | TU | 1910 | 4.2 | 1.3 |
| LU | 2320 | 11.1 | 3.4 | MA | 2330 | 12.7 | 3.9 |
| 5 | 0730 | 3.6 | 1.1 | 20 | 0810 | 4.2 | 1.3 |
| | 1140 | 10.2 | 3.1 | | 1210 | 10.9 | 3.3 |
| TU | 1925 | 3.4 | 1.0 | WE | 1950 | 4.0 | 1.2 |
| MA | 2350 | 10.9 | 3.3 | ME | | | |
| 6 | 0805 | 3.5 | 1.1 | 21 | 0020 | 12.2 | 3.7 |
| | 1215 | 9.5 | 2.9 | | 0900 | 4.1 | 1.2 |
| WE | 1955 | 3.3 | 1.0 | TH | 1305 | 10.0 | 3.0 |
| ME | | | | JE | 2040 | 3.8 | 1.2 |
| 7 | 0030 | 10.5 | 3.2 | 22 | 0115 | 11.5 | 3.5 |
| | 0845 | 3.4 | 1.0 | | 1005 | 3.8 | 1.2 |
| TH | 1255 | 8.7 | 2.7 | FR | 1410 | 9.1 | 2.8 |
| JE | 2025 | 3.1 | .9 | VE | 2140 | 3.5 | 1.1 |
| 8 | 0110 | 10.0 | 3.0 | 23 | 0225 | 10.8 | 3.3 |
| | 0940 | 3.2 | 1.0 | | 1120 | 3.4 | 1.0 |
| FR | 1355 | 7.8 | 2.4 | SA | 1535 | 8.3 | 2.5 |
| VE | 2115 | 2.8 | .9 | SA | 2300 | 3.2 | 1.0 |
| 9 | 0210 | 9.4 | 2.9 | 24 | 0350 | 10.3 | 3.1 |
| | 1045 | 2.9 | .9 | | 1240 | 3.2 | 1.0 |
| SA | 1510 | 7.2 | 2.2 | SU | 1700 | 8.2 | 2.5 |
| SA | 2225 | 2.5 | .8 | DI | | | |
| 10 | 0325 | 9.1 | 2.8 | 25 | 0025 | 3.1 | .9 |
| | 1205 | 2.6 | .8 | | 0515 | 10.3 | 3.1 |
| SU | 1635 | 7.1 | 2.2 | MO | 1355 | 3.2 | 1.0 |
| DI | 2345 | 2.4 | .7 | LU | 1815 | 8.7 | 2.7 |
| 11 | 0445 | 9.3 | 2.8 | 26 | 0145 | 3.1 | .9 |
| | 1320 | 2.5 | .8 | | 0625 | 10.6 | 3.2 |
| MO | 1750 | 7.7 | 2.3 | TU | 1450 | 3.3 | 1.0 |
| LU | | | | MA | 1910 | 9.5 | 2.9 |
| 12 | 0105 | 2.4 | .7 | 27 | 0245 | 3.1 | .9 |
| | 0600 | 9.8 | 3.0 | | 0720 | 10.9 | 3.3 |
| TU | 1425 | 2.6 | .8 | WE | 1535 | 3.4 | 1.0 |
| MA | 1850 | 8.6 | 2.6 | ME | 1950 | 10.3 | 3.1 |
| 13 | 0215 | 2.5 | .8 | 28 | 0335 | 3.3 | 1.0 |
| | 0700 | 10.6 | 3.2 | | 0800 | 11.1 | 3.4 |
| WE | 1520 | 3.0 | .9 | TH | 1605 | 3.6 | 1.1 |
| ME | 1935 | 9.7 | 3.0 | JE | 2020 | 10.6 | 3.3 |
| 14 | 0310 | 2.9 | .9 | 29 | 0415 | 3.4 | 1.0 |
| | 0750 | 11.4 | 3.5 | | 0835 | 11.2 | 3.4 |
| TH | 1605 | 3.4 | 1.0 | FR | 1640 | 3.7 | 1.1 |
| JE | 2015 | 10.7 | 3.3 | VE | 2050 | 11.3 | 3.4 |
| 15 | 0405 | 3.4 | 1.0 | 30 | 0455 | 3.8 | 1.1 |
| | 0830 | 12.0 | 3.7 | | 0910 | 11.2 | 3.4 |
| FR | 1645 | 3.8 | 1.2 | SA | 1705 | 3.8 | 1.2 |
| VE | 2050 | 11.6 | 3.5 | SA | 2120 | 11.6 | 3.5 |



Fluctuations in river outflow may cause actual water levels to differ from these predicted values

## TABLE DES MAREES

# GRONDINES (NNE 2 · 5)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0530 | **3.8** | 1 | 2 | 16 | 0530 | **4.5** | 1 | 4 |
| | 0940 | **11.1** | 3 | 4 | | 0930 | **12.2** | 3 | 7 |
| SU | 1730 | **3.8** | 1 | 2 | MO | 1725 | **4.6** | 1 | 4 |
| DI | 2150 | **11.8** | 3 | 6 | LU | 2140 | **13.6** | 4 | 1 |
| 2 | 0600 | **3.9** | 1 | 2 | 17 | 0620 | **4.6** | 1 | 4 |
| | 1005 | **11.0** | 3 | 4 | | 1015 | **12.0** | 3 | 7 |
| MO | 1755 | **3.9** | 1 | 2 | TU | 1805 | **4.6** | 1 | 4 |
| LU | 2215 | **11.8** | 3 | 6 | MA | 2220 | **13.6** | 4 | 1 |
| 3 | 0635 | **4.0** | 1 | 2 | 18 | 0710 | **4.7** | 1 | 4 |
| | 1040 | **10.7** | 3 | 3 | | 1105 | **11.6** | 3 | 5 |
| TU | 1820 | **3.9** | 1 | 2 | WE | 1850 | **4.6** | 1 | 4 |
| MA | 2245 | **11.8** | 3 | 6 | ME | 2310 | **13.3** | 4 | 1 |
| 4 | 0705 | **4.0** | 1 | 2 | 19 | 0800 | **4.7** | 1 | 4 |
| | 1110 | **10.3** | 3 | 1 | | 1155 | **10.9** | 3 | 3 |
| WE | 1850 | **3.8** | 1 | 2 | TH | 1935 | **4.4** | 1 | 3 |
| ME | 2315 | **11.5** | 3 | 5 | JE | | | | |
| 5 | 0745 | **4.0** | 1 | 2 | 20 | 0000 | **12.7** | 3 | 9 |
| | 1150 | **9.7** | 3 | 0 | | 0850 | **4.5** | 1 | 4 |
| TH | 1920 | **3.7** | 1 | 1 | FR | 1250 | **10.2** | 3 | 1 |
| JE | 2355 | **11.1** | 3 | 4 | VE | 2025 | **4.3** | 1 | 3 |
| 6 | 0825 | **3.8** | 1 | 2 | 21 | 0100 | **12.0** | 3 | 7 |
| | 1230 | **9.0** | 2 | 7 | | 0950 | **4.3** | 1 | 3 |
| FR | 2000 | **3.5** | 1 | 1 | SA | 1355 | **9.5** | 2 | 9 |
| VE | | | | | SA | 2130 | **4.1** | 1 | 2 |
| 7 | 0040 | **10.5** | 3 | 2 | 22 | 0205 | **11.2** | 3 | 4 |
| | 0915 | **3.6** | 1 | 1 | | 1055 | **4.0** | 1 | 2 |
| SA | 1330 | **8.2** | 2 | 5 | SU | 1515 | **9.0** | 2 | 7 |
| SA | 2050 | **3.3** | 1 | 0 | DI | 2245 | **3.9** | 1 | 2 |
| 8 | 0135 | **10.0** | 3 | 0 | 23 | 0325 | **10.6** | 3 | 2 |
| | 1015 | **3.3** | 1 | 0 | | 1210 | **3.8** | 1 | 2 |
| SU | 1440 | **7.8** | 2 | 4 | MO | 1630 | **9.0** | 2 | 7 |
| DI | 2155 | **3.0** | | 9 | LU | | | | |
| 9 | 0250 | **9.6** | 2 | 9 | 24 | 0010 | **3.7** | 1 | 1 |
| | 1130 | **3.0** | | 9 | | 0450 | **10.4** | 3 | 2 |
| MO | 1600 | **7.8** | 2 | 4 | TU | 1320 | **3.7** | 1 | 1 |
| LU | 2320 | **2.9** | | 9 | MA | 1745 | **9.5** | 2 | 9 |
| 10 | 0415 | **9.7** | 3 | 0 | 25 | 0125 | **3.6** | 1 | 1 |
| | 1245 | **2.9** | | 9 | | 0600 | **10.5** | 3 | 2 |
| TU | 1715 | **8.5** | 2 | 6 | WE | 1415 | **3.6** | 1 | 1 |
| MA | | | | | ME | 1835 | **10.3** | 3 | 1 |
| 11 | 0040 | **2.9** | | 9 | 26 | 0230 | **3.5** | 1 | 1 |
| | 0530 | **10.2** | 3 | 1 | | 0650 | **10.7** | 3 | 3 |
| WE | 1345 | **3.0** | | 9 | TH | 1455 | **3.6** | 1 | 1 |
| ME | 1810 | **9.6** | 2 | 9 | JE | 1915 | **10.9** | 3 | 3 |
| 12 | 0150 | **3.1** | | 9 | 27 | 0315 | **3.6** | 1 | 1 |
| | 0630 | **10.8** | 3 | 3 | | 0735 | **10.8** | 3 | 3 |
| TH | 1440 | **3.3** | 1 | 0 | FR | 1525 | **3.7** | 1 | 1 |
| JE | 1855 | **10.7** | 3 | 3 | VE | 1945 | **11.4** | 3 | 5 |
| 13 | 0250 | **3.4** | 1 | 0 | 28 | 0355 | **3.7** | 1 | 1 |
| | 0720 | **11.4** | 3 | 5 | | 0810 | **10.8** | 3 | 3 |
| FR | 1525 | **3.7** | 1 | 1 | SA | 1555 | **3.8** | 1 | 2 |
| VE | 1940 | **11.8** | 3 | 6 | SA | 2015 | **11.8** | 3 | 6 |
| 14 | 0345 | **3.8** | 1 | 2 | 29 | 0435 | **3.8** | 1 | 2 |
| | 0805 | **12.0** | 3 | 7 | | 0840 | **10.9** | 3 | 3 |
| SA | 1605 | **4.1** | 1 | 2 | SU | 1625 | **3.9** | 1 | 2 |
| SA | 2015 | **12.7** | 3 | 9 | DI | 2045 | **12.1** | 3 | 7 |
| 15 | 0440 | **4.2** | 1 | 3 | 30 | 0510 | **4.0** | 1 | 2 |
| | 0850 | **12.2** | 3 | 7 | | 0910 | **10.9** | 3 | 3 |
| SU | 1645 | **4.4** | 1 | 3 | MO | 1655 | **4.0** | 1 | 2 |
| DI | 2055 | **13.3** | 4 | 1 | LU | 2115 | **12.2** | 3 | 7 |
| | | | | | 31 | 0540 | **4.2** | 1 | 3 |
| | | | | | | 0945 | **10.8** | 3 | 3 |
| | | | | | TU | 1720 | **4.1** | 1 | 2 |
| | | | | | MA | 2145 | **12.3** | 3 | 7 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0615 | **4.3** | 1 | 3 | 16 | 0700 | **4.9** | 1 | 5 |
| | 1015 | **10.7** | 3 | 3 | | 1050 | **11.4** | 3 | 5 |
| WE | 1750 | **4.1** | 1 | 2 | TH | 1835 | **4.7** | 1 | 4 |
| ME | 2220 | **12.2** | 3 | 7 | JE | 2255 | **13.5** | 4 | 1 |
| 2 | 0650 | **4.4** | 1 | 3 | 17 | 0750 | **4.8** | 1 | 5 |
| | 1055 | **10.4** | 3 | 2 | | 1140 | **11.0** | 3 | 4 |
| TH | 1825 | **4.1** | 1 | 2 | FR | 1920 | **4.7** | 1 | 4 |
| JE | 2255 | **12.0** | 3 | 7 | VE | 2345 | **13.0** | 4 | 0 |
| 3 | 0730 | **4.3** | 1 | 3 | 18 | 0835 | **4.8** | 1 | 5 |
| | 1135 | **10.0** | 3 | 0 | | 1235 | **10.5** | 3 | 2 |
| FR | 1900 | **4.1** | 1 | 2 | SA | 2010 | **4.6** | 1 | 4 |
| VE | 2335 | **11.6** | 3 | 5 | SA | | | | |
| 4 | 0810 | **4.2** | 1 | 3 | 19 | 0040 | **12.3** | 3 | 7 |
| | 1220 | **9.5** | 2 | 9 | | 0925 | **4.6** | 1 | 4 |
| SA | 1945 | **3.9** | 1 | 2 | SU | 1335 | **10.1** | 3 | 1 |
| SA | | | | | DI | 2110 | **4.5** | 1 | 4 |
| 5 | 0020 | **11.2** | 3 | 4 | 20 | 0140 | **11.5** | 3 | 5 |
| | 0855 | **4.0** | 1 | 2 | | 1025 | **4.4** | 1 | 3 |
| SU | 1310 | **9.0** | 2 | 7 | MO | 1440 | **9.8** | 3 | 0 |
| DI | 2035 | **3.8** | 1 | 2 | LU | 2220 | **4.3** | 1 | 3 |
| 6 | 0110 | **10.7** | 3 | 3 | 21 | 0250 | **10.8** | 3 | 3 |
| | 0950 | **3.7** | 1 | 1 | | 1125 | **4.2** | 1 | 3 |
| MO | 1410 | **8.8** | 2 | 7 | TU | 1545 | **9.7** | 3 | 0 |
| LU | 2140 | **3.6** | 1 | 1 | MA | 2335 | **4.1** | 1 | 2 |
| 7 | 0220 | **10.3** | 3 | 1 | 22 | 0405 | **10.2** | 3 | 1 |
| | 1055 | **3.5** | 1 | 1 | | 1225 | **3.9** | 1 | 2 |
| TU | 1520 | **9.0** | 2 | 7 | WE | 1650 | **9.9** | 3 | 0 |
| MA | 2255 | **3.5** | 1 | 1 | ME | | | | |
| 8 | 0335 | **10.2** | 3 | 1 | 23 | 0050 | **3.9** | 1 | 2 |
| | 1200 | **3.4** | 1 | 0 | | 0515 | **9.9** | 3 | 0 |
| WE | 1630 | **9.6** | 2 | 9 | TH | 1315 | **3.7** | 1 | 1 |
| ME | | | | | JE | 1740 | **10.4** | 3 | 2 |
| 9 | 0015 | **3.4** | 1 | 0 | 24 | 0155 | **3.7** | 1 | 1 |
| | 0445 | **10.4** | 3 | 2 | | 0610 | **9.8** | 3 | 0 |
| TH | 1300 | **3.4** | 1 | 0 | FR | 1400 | **3.5** | 1 | 1 |
| JE | 1725 | **10.6** | 3 | 2 | VE | 1825 | **10.9** | 3 | 3 |
| 10 | 0130 | **3.5** | 1 | 1 | 25 | 0245 | **3.5** | 1 | 1 |
| | 0550 | **10.8** | 3 | 3 | | 0655 | **9.9** | 3 | 0 |
| FR | 1350 | **3.6** | 1 | 1 | SA | 1435 | **3.5** | 1 | 1 |
| VE | 1815 | **11.6** | 3 | 5 | SA | 1900 | **11.3** | 3 | 4 |
| 11 | 0230 | **3.7** | 1 | 1 | 26 | 0330 | **3.5** | 1 | 1 |
| | 0645 | **11.2** | 3 | 4 | | 0735 | **10.0** | 3 | 0 |
| SA | 1440 | **3.9** | 1 | 2 | SU | 1510 | **3.5** | 1 | 1 |
| SA | 1900 | **12.6** | 3 | 8 | DI | 1940 | **11.6** | 3 | 5 |
| 12 | 0330 | **4.1** | 1 | 2 | 27 | 0410 | **3.7** | 1 | 1 |
| | 0735 | **11.7** | 3 | 6 | | 0815 | **10.1** | 3 | 1 |
| SU | 1525 | **4.2** | 1 | 3 | MO | 1545 | **3.6** | 1 | 1 |
| DI | 1945 | **13.3** | 4 | 1 | LU | 2015 | **12.0** | 3 | 7 |
| 13 | 0425 | **4.4** | 1 | 3 | 28 | 0445 | **3.9** | 1 | 2 |
| | 0825 | **11.9** | 3 | 6 | | 0850 | **10.3** | 3 | 1 |
| MO | 1610 | **4.5** | 1 | 4 | TU | 1620 | **3.7** | 1 | 1 |
| LU | 2030 | **13.8** | 4 | 2 | MA | 2050 | **12.2** | 3 | 7 |
| 14 | 0520 | **4.7** | 1 | 4 | 29 | 0525 | **4.0** | 1 | 2 |
| | 0910 | **11.9** | 3 | 6 | | 0925 | **10.4** | 3 | 2 |
| TU | 1655 | **4.7** | 1 | 4 | WE | 1655 | **3.9** | 1 | 2 |
| MA | 2115 | **14.0** | 4 | 3 | ME | 2125 | **12.3** | 3 | 7 |
| 15 | 0610 | **4.9** | 1 | 5 | 30 | 0600 | **4.2** | 1 | 3 |
| | 1000 | **11.7** | 3 | 6 | | 1000 | **10.4** | 3 | 2 |
| WE | 1745 | **4.7** | 1 | 4 | TH | 1730 | **4.0** | 1 | 2 |
| ME | 2205 | **13.8** | 4 | 2 | JE | 2200 | **12.3** | 3 | 7 |

### DECEMBER-DECEMBRE

| Day | Time | Ht | ft | Ht | m | Jour | Heure | Ht | pi | Ht | m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0635 | **4.3** | 1 | 3 | 16 | 0730 | **4.7** | 1 | 4 |
| | 1040 | **10.3** | 3 | 1 | | 1125 | **11.0** | 3 | 4 |
| FR | 1810 | **4.0** | 1 | 2 | SA | 1910 | **4.5** | 1 | 4 |
| VE | 2235 | **12.2** | 3 | 7 | SA | 2330 | **12.8** | 3 | 9 |
| 2 | 0715 | **4.3** | 1 | 3 | 17 | 0815 | **4.6** | 1 | 4 |
| | 1120 | **10.2** | 3 | 1 | | 1210 | **10.8** | 3 | 3 |
| SA | 1850 | **4.1** | 1 | 2 | SU | 1955 | **4.5** | 1 | 4 |
| SA | 2315 | **12.0** | 3 | 7 | DI | | | | |
| 3 | 0755 | **4.3** | 1 | 3 | 18 | 0015 | **12.2** | 3 | 7 |
| | 1200 | **10.1** | 3 | 1 | | 0855 | **4.6** | 1 | 4 |
| SU | 1935 | **4.1** | 1 | 2 | MO | 1300 | **10.5** | 3 | 2 |
| DI | | | | | LU | 2045 | **4.4** | 1 | 3 |
| 4 | 0000 | **11.6** | 3 | 5 | 19 | 0105 | **11.5** | 3 | 5 |
| | 0840 | **4.2** | 1 | 3 | | 0940 | **4.4** | 1 | 3 |
| MO | 1250 | **9.9** | 3 | 0 | TU | 1350 | **10.2** | 3 | 1 |
| LU | 2025 | **4.0** | 1 | 2 | MA | 2145 | **4.3** | 1 | 3 |
| 5 | 0050 | **11.2** | 3 | 4 | 20 | 0200 | **10.6** | 3 | 2 |
| | 0925 | **4.0** | 1 | 2 | | 1025 | **4.1** | 1 | 2 |
| TU | 1340 | **9.9** | 3 | 0 | WE | 1445 | **10.0** | 3 | 0 |
| MA | 2125 | **3.9** | 1 | 2 | ME | 2245 | **4.1** | 1 | 2 |
| 6 | 0150 | **10.8** | 3 | 3 | 21 | 0305 | **9.7** | 3 | 0 |
| | 1015 | **3.8** | 1 | 2 | | 1115 | **3.8** | 1 | 2 |
| WE | 1435 | **10.0** | 3 | 0 | TH | 1540 | **9.9** | 3 | 0 |
| ME | 2235 | **3.8** | 1 | 2 | JE | | | | |
| 7 | 0255 | **10.4** | 3 | 2 | 22 | 0000 | **3.7** | 1 | 1 |
| | 1110 | **3.6** | 1 | 1 | | 0415 | **9.0** | 2 | 7 |
| TH | 1535 | **10.5** | 3 | 2 | FR | 1205 | **3.4** | 1 | 0 |
| JE | 2350 | **3.7** | 1 | 1 | VE | 1635 | **10.0** | 3 | 0 |
| 8 | 0405 | **10.3** | 3 | 1 | 23 | 0105 | **3.4** | 1 | 0 |
| | 1210 | **3.6** | 1 | 1 | | 0520 | **8.6** | 2 | 6 |
| FR | 1635 | **11.2** | 3 | 4 | SA | 1255 | **3.2** | 1 | 0 |
| VE | | | | | SA | 1730 | **10.3** | 3 | 1 |
| 9 | 0105 | **3.7** | 1 | 1 | 24 | 0205 | **3.2** | 1 | 0 |
| | 0510 | **10.4** | 3 | 2 | | 0615 | **8.6** | 2 | 6 |
| SA | 1305 | **3.6** | 1 | 1 | SU | 1345 | **3.0** | | 9 |
| SA | 1735 | **11.9** | 3 | 6 | DI | 1820 | **10.6** | 3 | 2 |
| 10 | 0210 | **3.8** | 1 | 2 | 25 | 0300 | **3.1** | | 9 |
| | 0615 | **10.6** | 3 | 2 | | 0705 | **8.7** | 2 | 7 |
| SU | 1400 | **3.7** | 1 | 1 | MO | 1430 | **2.9** | | 9 |
| DI | 1830 | **12.6** | 3 | 8 | LU | 1905 | **11.0** | 3 | 4 |
| 11 | 0315 | **4.0** | 1 | 2 | 26 | 0345 | **3.1** | | 9 |
| | 0715 | **10.9** | 3 | 3 | | 0750 | **9.1** | 2 | 8 |
| MO | 1455 | **3.9** | 1 | 2 | TU | 1515 | **3.0** | | 9 |
| LU | 1925 | **13.2** | 4 | 0 | MA | 1950 | **11.3** | 3 | 4 |
| 12 | 0415 | **4.3** | 1 | 3 | 27 | 0430 | **3.3** | 1 | 0 |
| | 0805 | **11.1** | 3 | 4 | | 0830 | **9.5** | 2 | 9 |
| TU | 1545 | **4.1** | 1 | 2 | WE | 1600 | **3.1** | | 9 |
| MA | 2015 | **13.5** | 4 | 1 | ME | 2030 | **11.7** | 3 | 6 |
| 13 | 0510 | **4.5** | 1 | 4 | 28 | 0505 | **3.5** | 1 | 1 |
| | 0855 | **11.2** | 3 | 4 | | 0910 | **9.8** | 3 | 0 |
| WE | 1640 | **4.3** | 1 | 3 | TH | 1640 | **3.3** | 1 | 0 |
| ME | 2105 | **13.6** | 4 | 1 | JE | 2105 | **12.0** | 3 | 7 |
| 14 | 0600 | **4.6** | 1 | 4 | 29 | 0545 | **3.7** | 1 | 1 |
| | 0945 | **11.2** | 3 | 4 | | 0945 | **10.1** | 3 | 1 |
| TH | 1730 | **4.4** | 1 | 3 | FR | 1720 | **3.5** | 1 | 1 |
| JE | 2150 | **13.5** | 4 | 1 | VE | 2145 | **12.2** | 3 | 7 |
| 15 | 0650 | **4.7** | 1 | 4 | 30 | 0625 | **3.9** | 1 | 2 |
| | 1035 | **11.1** | 3 | 4 | | 1025 | **10.4** | 3 | 2 |
| FR | 1820 | **4.5** | 1 | 4 | SA | 1800 | **3.6** | 1 | 1 |
| VE | 2240 | **13.2** | 4 | 0 | SA | 2225 | **12.3** | 3 | 7 |
| | | | | | 31 | 0700 | **4.0** | 1 | 2 |
| | | | | | | 1100 | **10.6** | 3 | 2 |
| | | | | | SU | 1845 | **3.8** | 1 | 2 |
| | | | | | DI | 2300 | **12.1** | 3 | 7 |

V-3

Les niveaux d'eau reels peuvent s'ecarter des valeurs prevues suite a des fluctuations du debit du fleuve

# PORT-ALFRED (EST Z+5)



1989

## JANUARY JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0235 | **5.2** | 1 6 | 16 | 0310 | **4.1** | 1 2 |
| | 0905 | **13.5** | 4 1 | | 0935 | **15.5** | 4 7 |
| SU | 1530 | **5.5** | 1 7 | MO | 1625 | **4.3** | 1 3 |
| DI | 2130 | **11.9** | 3 6 | LU | 2210 | **12.5** | 3 8 |
| 2 | 0335 | **5.5** | 1 7 | 17 | 0420 | **4.6** | 1 4 |
| | 1000 | **13.7** | 4 2 | | 1045 | **15.5** | 4 7 |
| MO | 1640 | **5.3** | 1 6 | TU | 1745 | **4.1** | 1 2 |
| LU | 2235 | **11.7** | 3 6 | MA | 2330 | **12.3** | 3 7 |
| 3 | 0435 | **5.5** | 1 7 | 18 | 0535 | **4.6** | 1 4 |
| | 1100 | **14.1** | 4 3 | | 1155 | **15.9** | 4 8 |
| TU | 1750 | **4.9** | 1 5 | WE | 1850 | **3.5** | 1 1 |
| MA | 2340 | **11.7** | 3 6 | ME | | | |
| 4 | 0535 | **5.2** | 1 6 | 19 | 0040 | **12.7** | 3 9 |
| | 1200 | **14.8** | 4 5 | | 0640 | **4.2** | 1 3 |
| WE | 1845 | **4.3** | 1 3 | TH | 1300 | **16.7** | 5 1 |
| ME | | | | JE | 1945 | **2.9** | 9 |
| 5 | 0045 | **12.2** | 3 7 | 20 | 0135 | **13.5** | 4 1 |
| | 0635 | **4.7** | 1 4 | | 0735 | **3.7** | 1 1 |
| TH | 1300 | **15.8** | 4 8 | FR | 1355 | **17.5** | 5 3 |
| JE | 1940 | **3.5** | 1 1 | VE | 2030 | **2.4** | 7 |
| 6 | 0135 | **13.0** | 4 0 | 21 | 0225 | **14.3** | 4 4 |
| | 0725 | **4.1** | 1 2 | | 0820 | **3.1** | 9 |
| FR | 1350 | **17.0** | 5 2 | SA | 1440 | **18.1** | 5 5 |
| VE | 2025 | **2.7** | 8 | SA | 2110 | **2.0** | 6 |
| 7 | 0220 | **13.8** | 4 2 | 22 | 0310 | **15.0** | 4 6 |
| | 0810 | **3.3** | 1 0 | | 0900 | **2.7** | 8 |
| SA | 1435 | **18.1** | 5 5 | SU | 1520 | **18.4** | 5 6 |
| SA | 2105 | **1.9** | 6 | DI | 2150 | **1.8** | 5 |
| 8 | 0305 | **14.7** | 4 5 | 23 | 0345 | **15.4** | 4 7 |
| | 0855 | **2.6** | 8 | | 0940 | **2.4** | 7 |
| SU | 1515 | **19.1** | 5 8 | MO | 1600 | **18.3** | 5 6 |
| DI | 2145 | **1.1** | 3 | LU | 2225 | **1.8** | 5 |
| 9 | 0345 | **15.6** | 4 8 | 24 | 0425 | **15.6** | 4 8 |
| | 0940 | **1.9** | 6 | | 1015 | **2.3** | 7 |
| MO | 1555 | **19.5** | 5 9 | TU | 1635 | **17.8** | 5 4 |
| LU | 2225 | **.7** | 2 | MA | 2255 | **2.1** | 6 |
| 10 | 0425 | **16.2** | 4 9 | 25 | 0455 | **15.6** | 4 8 |
| | 1025 | **1.5** | 5 | | 1050 | **2.5** | 8 |
| TU | 1640 | **19.5** | 5 9 | WE | 1710 | **17.0** | 5 2 |
| MA | 2305 | **.5** | 2 | ME | 2320 | **2.5** | 8 |
| 11 | 0510 | **16.6** | 5 1 | 26 | 0530 | **15.4** | 4 7 |
| | 1110 | **1.5** | 5 | | 1125 | **2.7** | 8 |
| WE | 1725 | **18.8** | 5 7 | TH | 1740 | **16.0** | 4 9 |
| ME | 2345 | **.8** | 2 | JE | 2345 | **2.9** | 9 |
| 12 | 0555 | **16.7** | 5 1 | 27 | 0600 | **15.1** | 4 6 |
| | 1155 | **1.8** | 5 | | 1200 | **3.2** | 1 0 |
| TH | 1810 | **17.7** | 5 4 | FR | 1815 | **14.8** | 4 5 |
| JE | | | | VE | | | |
| 13 | 0025 | **1.4** | 4 | 28 | 0015 | **3.5** | 1 1 |
| | 0645 | **16.5** | 5 0 | | 0635 | **14.8** | 4 5 |
| FR | 1250 | **2.5** | 8 | SA | 1235 | **3.9** | 1 2 |
| VE | 1905 | **16.2** | 4 9 | SA | 1850 | **13.7** | 4 2 |
| 14 | 0115 | **2.3** | 7 | 29 | 0045 | **4.1** | 1 2 |
| | 0735 | **16.2** | 4 9 | | 0715 | **14.4** | 4 4 |
| SA | 1350 | **3.3** | 1 0 | SU | 1325 | **4.7** | 1 4 |
| SA | 2000 | **14.6** | 4 5 | DI | 1935 | **12.8** | 3 8 |
| 15 | 0205 | **3.3** | 1 0 | 30 | 0125 | **4.8** | 1 5 |
| | 0835 | **15.8** | 4 8 | | 0805 | **13.9** | 4 2 |
| SU | 1505 | **4.0** | 1 2 | MO | 1425 | **5.5** | 1 7 |
| DI | 2100 | **13.3** | 4 1 | LU | 2030 | **11.6** | 3 5 |
| | | | | 31 | 0220 | **5.5** | 1 7 |
| | | | | | 0900 | **13.6** | 4 1 |
| | | | | TU | 1545 | **5.9** | 1 8 |
| | | | | MA | 2135 | **11.0** | 3 4 |

## FEBRUARY FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0335 | **6.0** | 1 8 | 16 | 0530 | **5.4** | 1 6 |
| | 1010 | **13.7** | 4 2 | | 1150 | **15.0** | 4 6 |
| WE | 1715 | **5.7** | 1 7 | TH | 1845 | **4.1** | 1 2 |
| ME | 2355 | **10.8** | 3 3 | JE | | | |
| 2 | 0500 | **5.9** | 1 8 | 17 | 0035 | **12.2** | 3 7 |
| | 1130 | **14.3** | 4 4 | | 0635 | **4.6** | 1 5 |
| TH | 1830 | **4.9** | 1 5 | FR | 1255 | **15.9** | 4 8 |
| JE | | | | VE | 1935 | **3.4** | 1 0 |
| 3 | 0020 | **11.5** | 3 5 | 18 | 0130 | **13.3** | 4 1 |
| | 0610 | **5.2** | 1 6 | | 0725 | **4.0** | 1 2 |
| FR | 1235 | **15.5** | 4 7 | SA | 1345 | **16.8** | 5 1 |
| VE | 1920 | **3.7** | 1 1 | SA | 2015 | **2.7** | 8 |
| 4 | 0120 | **12.7** | 3 9 | 19 | 0210 | **14.4** | 4 4 |
| | 0705 | **4.2** | 1 3 | | 0810 | **3.2** | 1 0 |
| SA | 1330 | **17.0** | 5 2 | SU | 1425 | **17.5** | 5 3 |
| SA | 2005 | **2.4** | 7 | DI | 2050 | **2.2** | 7 |
| 5 | 0205 | **14.1** | 4 3 | 20 | 0250 | **15.3** | 4 7 |
| | 0755 | **3.0** | 9 | | 0850 | **2.5** | 8 |
| SU | 1415 | **18.4** | 5 6 | MO | 1500 | **17.9** | 5 5 |
| DI | 2045 | **1.3** | 4 | LU | 2120 | **1.8** | 5 |
| 6 | 0245 | **15.6** | 4 8 | 21 | 0325 | **16.0** | 4 9 |
| | 0840 | **1.8** | 5 | | 0920 | **2.0** | 6 |
| MO | 1500 | **19.5** | 5 9 | TU | 1535 | **17.9** | 5 5 |
| LU | 2125 | **.3** | 1 | MA | 2150 | **1.7** | 5 |
| 7 | 0325 | **16.9** | 5 2 | 22 | 0355 | **16.4** | 5 0 |
| | 0925 | **.8** | 2 | | 0955 | **1.6** | 5 |
| TU | 1540 | **20.0** | 6 1 | WE | 1610 | **17.5** | 5 3 |
| MA | 2200 | **−.3** | − 1 | ME | 2215 | **1.8** | 5 |
| 8 | 0405 | **17.9** | 5 5 | 23 | 0425 | **16.6** | 5 1 |
| | 1010 | **.2** | 1 | | 1025 | **1.6** | 5 |
| WE | 1625 | **19.8** | 6 0 | TH | 1640 | **16.8** | 5 1 |
| ME | 2240 | **−.3** | − 1 | JE | 2240 | **2.1** | 6 |
| 9 | 0450 | **18.4** | 5 6 | 24 | 0455 | **16.5** | 5 0 |
| | 1055 | **.1** | 0 | | 1055 | **1.8** | 5 |
| TH | 1705 | **19.0** | 5 8 | FR | 1710 | **15.9** | 4 8 |
| JE | 2315 | **.1** | 0 | VE | 2305 | **2.5** | 8 |
| 10 | 0530 | **18.4** | 5 6 | 25 | 0520 | **16.2** | 4 9 |
| | 1140 | **.6** | 2 | | 1125 | **2.4** | 7 |
| FR | 1750 | **17.6** | 5 4 | SA | 1740 | **14.9** | 4 5 |
| VE | 2355 | **1.0** | 3 | SA | 2330 | **3.0** | 9 |
| 11 | 0615 | **17.9** | 5 5 | 26 | 0555 | **15.8** | 4 8 |
| | 1230 | **1.6** | 5 | | 1200 | **3.2** | 1 0 |
| SA | 1840 | **15.8** | 4 8 | SU | 1815 | **13.8** | 4 2 |
| SA | | | | DI | | | |
| 12 | 0040 | **2.2** | 7 | 27 | 0000 | **3.7** | 1 1 |
| | 0705 | **17.1** | 5 2 | | 0630 | **15.1** | 4 6 |
| SU | 1330 | **2.9** | 9 | MO | 1240 | **4.3** | 1 3 |
| DI | 1935 | **14.0** | 4 3 | LU | 1850 | **12.6** | 3 8 |
| 13 | 0130 | **3.5** | 1 1 | 28 | 0035 | **4.6** | 1 4 |
| | 0805 | **16.0** | 4 9 | | 0715 | **14.4** | 4 4 |
| MO | 1440 | **4.2** | 1 3 | TU | 1335 | **5.4** | 1 6 |
| LU | 2035 | **12.5** | 3 8 | MA | 1940 | **11.5** | 3 5 |
| 14 | 0235 | **4.8** | 1 5 | | | | |
| | 0910 | **15.1** | 4 6 | | | | |
| TU | 1615 | **4.9** | 1 5 | | | | |
| MA | 2150 | **11.5** | 3 5 | | | | |
| 15 | 0400 | **5.5** | 1 7 | | | | |
| | 1025 | **14.7** | 4 5 | | | | |
| WE | 1745 | **4.7** | 1 4 | | | | |
| ME | 2320 | **11.4** | 3 5 | | | | |

## MARCH MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0120 | **5.5** | 1 7 | 16 | 0350 | **6.1** | 1 9 |
| | 0815 | **13.8** | 4 2 | | 1015 | **14.1** | 4 3 |
| WE | 1500 | **6.2** | 1 9 | TH | 1730 | **5.1** | 1 6 |
| ME | 2050 | **10.7** | 3 3 | JE | 2310 | **11.4** | 3 5 |
| 2 | 0240 | **6.3** | 1 9 | 17 | 0520 | **5.8** | 1 8 |
| | 0930 | **13.6** | 4 1 | | 1135 | **14.4** | 4 4 |
| TH | 1650 | **5.9** | 1 8 | FR | 1830 | **4.4** | 1 3 |
| JE | 2225 | **10.6** | 3 2 | VE | | | |
| 3 | 0430 | **6.2** | 1 9 | 18 | 0020 | **12.4** | 3 8 |
| | 1100 | **14.1** | 4 3 | | 0625 | **5.0** | 1 5 |
| FR | 1805 | **4.8** | 1 5 | SA | 1235 | **15.2** | 4 6 |
| VE | 2355 | **11.6** | 3 5 | SA | 1915 | **3.7** | 1 1 |
| 4 | 0550 | **5.3** | 1 6 | 19 | 0110 | **13.6** | 4 1 |
| | 1210 | **15.4** | 4 7 | | 0710 | **4.0** | 1 2 |
| SA | 1855 | **3.4** | 1 0 | SU | 1325 | **16.0** | 4 9 |
| SA | | | | DI | 1950 | **3.0** | 9 |
| 5 | 0055 | **13.2** | 4 0 | 20 | 0145 | **14.8** | 4 5 |
| | 0650 | **3.9** | 1 2 | | 0750 | **3.1** | 9 |
| SU | 1305 | **16.9** | 5 2 | MO | 1400 | **16.6** | 5 1 |
| DI | 1935 | **2.0** | 6 | LU | 2020 | **2.5** | 8 |
| 6 | 0140 | **15.0** | 4 6 | 21 | 0220 | **15.8** | 4 8 |
| | 0735 | **2.4** | 7 | | 0825 | **2.2** | 7 |
| MO | 1355 | **18.3** | 5 6 | TU | 1435 | **17.0** | 5 2 |
| LU | 2015 | **.8** | 2 | MA | 2045 | **2.2** | 7 |
| 7 | 0220 | **16.8** | 5 1 | 22 | 0255 | **16.6** | 5 1 |
| | 0825 | **.9** | 3 | | 0900 | **1.6** | 5 |
| TU | 1435 | **19.3** | 5 9 | WE | 1510 | **17.1** | 5 2 |
| MA | 2055 | **−.1** | 0 | ME | 2110 | **2.0** | 6 |
| 8 | 0300 | **18.3** | 5 6 | 23 | 0320 | **17.1** | 5 2 |
| | 0910 | **−.2** | − 1 | | 0930 | **1.2** | 4 |
| WE | 1520 | **19.7** | 6 0 | TH | 1540 | **16.9** | 5 2 |
| ME | 2130 | **−.6** | − 2 | JE | 2135 | **2.0** | 6 |
| 9 | 0340 | **19.4** | 5 9 | 24 | 0350 | **17.3** | 5 3 |
| | 0950 | **−.8** | − 2 | | 1000 | **1.2** | 4 |
| TH | 1605 | **19.5** | 5 9 | FR | 1610 | **16.3** | 5 0 |
| JE | 2210 | **−.5** | − 2 | VE | 2200 | **2.2** | 7 |
| 10 | 0425 | **19.9** | 6 1 | 25 | 0420 | **17.3** | 5 3 |
| | 1035 | **−.8** | − 2 | | 1030 | **1.5** | 5 |
| FR | 1645 | **18.5** | 5 6 | SA | 1640 | **15.6** | 4 8 |
| VE | 2250 | **.1** | 0 | SA | 2225 | **2.6** | 8 |
| 11 | 0505 | **19.6** | 6 0 | 26 | 0450 | **17.0** | 5 2 |
| | 1125 | **.0** | 0 | | 1100 | **2.2** | 7 |
| SA | 1730 | **17.1** | 5 2 | SU | 1710 | **14.7** | 4 5 |
| SA | 2330 | **1.2** | 4 | DI | 2255 | **3.1** | 9 |
| 12 | 0550 | **18.7** | 5 7 | 27 | 0520 | **16.5** | 5 0 |
| | 1215 | **1.3** | 4 | | 1135 | **3.1** | 9 |
| SU | 1815 | **15.3** | 4 7 | MO | 1745 | **13.7** | 4 2 |
| DI | | | | LU | 2325 | **3.8** | 1 2 |
| 13 | 0010 | **2.5** | 8 | 28 | 0600 | **15.7** | 4 8 |
| | 0640 | **17.4** | 5 3 | | 1215 | **4.2** | 1 3 |
| MO | 1310 | **3.0** | 9 | TU | 1825 | **12.7** | 3 9 |
| LU | 1910 | **13.5** | 4 1 | MA | | | |
| 14 | 0100 | **4.0** | 1 2 | 29 | 0005 | **4.7** | 1 4 |
| | 0735 | **15.8** | 4 8 | | 0645 | **14.9** | 4 5 |
| TU | 1425 | **4.5** | 1 4 | WE | 1310 | **5.2** | 1 6 |
| MA | 2015 | **12.0** | 3 7 | ME | 1915 | **11.7** | 3 6 |
| 15 | 0210 | **5.4** | 1 6 | 30 | 0055 | **5.6** | 1 7 |
| | 0845 | **14.6** | 4 5 | | 0745 | **14.2** | 4 3 |
| WE | 1605 | **5.3** | 1 6 | TH | 1430 | **5.9** | 1 8 |
| ME | 2135 | **11.1** | 3 4 | JE | 2030 | **11.0** | 3 4 |
| | | | | 31 | 0215 | **6.3** | 1 9 |
| | | | | | 0900 | **13.9** | 4 2 |
| | | | | FR | 1615 | **5.6** | 1 7 |
| | | | | VE | 2200 | **11.2** | 3 4 |

## TABLE DES MARÉES

# PORT-ALFRED (JUNE 2 - 5)

1989

### APRIL AVRIL

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0405 | **6.1** | 1 9 | 16 | 0600 | **5.1** | 1 6 |
| | 1030 | **14.3** | 4 4 | | 1205 | **14.4** | 4 4 |
| SA | 1725 | **4.5** | 1 4 | SU | 1835 | **4.3** | 1 3 |
| SA | 2320 | **12.4** | 3 8 | DI | | | |
| 2 | 0525 | **5.0** | 1 5 | 17 | 0035 | **13.9** | 4 2 |
| | 1140 | **15.3** | 4 7 | | 0645 | **4.1** | 1 2 |
| SU | 1815 | **3.2** | 1 0 | MO | 1250 | **15.0** | 4 6 |
| DI | | | | LU | 1905 | **3.7** | 1 1 |
| 3 | 0020 | **14.2** | 4 3 | 18 | 0110 | **15.1** | 4 6 |
| | 0625 | **3.5** | 1 1 | | 0725 | **3.2** | 1 0 |
| MO | 1240 | **16.6** | 5 1 | TU | 1330 | **15.5** | 4 7 |
| LU | 1900 | **2.0** | 6 | MA | 1935 | **3.2** | 1 0 |
| 4 | 0110 | **16.0** | 4 9 | 19 | 0145 | **16.0** | 4 9 |
| | 0715 | **1.9** | 6 | | 0800 | **2.4** | 7 |
| TU | 1330 | **17.7** | 5 4 | WE | 1405 | **15.9** | 4 8 |
| MA | 1940 | **1.0** | 3 | ME | 2005 | **2.9** | 9 |
| 5 | 0150 | **17.9** | 5 5 | 20* | 0220 | **16.8** | 5 1 |
| | 0805 | **.4** | 1 | | 0830 | **1.8** | 5 |
| WE | 1415 | **18.5** | 5 6 | TH | 1440 | **16.1** | 4 9 |
| ME | 2020 | **.2** | 1 | JE | 2035 | **2.7** | 8 |
| 6 | 0235 | **19.4** | 5 9 | 21 | 0250 | **17.4** | 5 3 |
| | 0850 | **−.6** | − 2 | | 0900 | **1.5** | 5 |
| TH | 1500 | **18.8** | 5 7 | FR | 1510 | **16.0** | 4 9 |
| JE | 2100 | **−.1** | − 0 | VE | 2100 | **2.6** | 8 |
| 7 | 0315 | **20.3** | 6 2 | 22 | 0320 | **17.7** | 5 4 |
| | 0935 | **−1.1** | − 3 | | 0935 | **1.5** | 5 |
| FR | 1540 | **18.6** | 5 7 | SA | 1540 | **15.7** | 4 8 |
| VE | 2145 | **.1** | 0 | SA | 2130 | **2.7** | 8 |
| 8 | 0400 | **20.6** | 6 3 | 23 | 0350 | **17.7** | 5 4 |
| | 1020 | **−.8** | − 2 | | 1005 | **1.9** | 6 |
| SA | 1625 | **17.7** | 5 4 | SU | 1615 | **15.2** | 4 6 |
| SA | 2225 | **.7** | 2 | DI | 2200 | **3.0** | 9 |
| 9 | 0445 | **20.1** | 6 1 | 24 | 0425 | **17.5** | 5 3 |
| | 1110 | **.2** | 1 | | 1040 | **2.5** | 8 |
| SU | 1710 | **16.4** | 5 0 | MO | 1650 | **14.5** | 4 4 |
| DI | 2305 | **1.7** | 5 | LU | 2235 | **3.4** | 1 0 |
| 10 | 0530 | **18.9** | 5 8 | 25 | 0500 | **17.0** | 5 2 |
| | 1200 | **1.6** | 5 | | 1120 | **3.3** | 1 0 |
| MO | 1800 | **14.9** | 4 5 | TU | 1725 | **13.8** | 4 2 |
| LU | 2350 | **3.1** | 9 | MA | 2310 | **4.0** | 1 2 |
| 11 | 0620 | **17.4** | 5 3 | 26 | 0540 | **16.4** | 5 0 |
| | 1255 | **3.3** | 1 0 | | 1205 | **4.1** | 1 2 |
| TU | 1850 | **13.3** | 4 1 | WE | 1810 | **13.0** | 4 0 |
| MA | | | | ME | 2350 | **4.7** | 1 4 |
| 12 | 0040 | **4.5** | 1 4 | 27 | 0630 | **15.6** | 4 8 |
| | 0715 | **15.7** | 4 8 | | 1300 | **4.8** | 1 5 |
| WE | 1405 | **4.8** | 1 5 | TH | 1905 | **12.3** | 3 7 |
| ME | 1955 | **12.0** | 3 7 | JE | | | |
| 13 | 0150 | **5.7** | 1 7 | 28 | 0045 | **5.4** | 1 6 |
| | 0830 | **14.4** | 4 4 | | 0725 | **14.9** | 4 5 |
| TH | 1540 | **5.4** | 1 6 | FR | 1410 | **5.1** | 1 6 |
| JE | 2120 | **11.5** | 3 5 | VE | 2015 | **12.1** | 3 7 |
| 14 | 0330 | **6.3** | 1 9 | 29 | 0200 | **5.9** | 1 8 |
| | 0950 | **13.8** | 4 2 | | 0840 | **14.5** | 4 4 |
| FR | 1655 | **5.3** | 1 6 | SA | 1530 | **4.9** | 1 5 |
| VE | 2245 | **11.9** | 3 6 | SA | 2135 | **12.6** | 3 8 |
| 15 | 0500 | **6.0** | 1 8 | 30 | 0335 | **5.7** | 1 7 |
| | 1110 | **13.9** | 4 2 | | 0955 | **14.6** | 4 5 |
| SA | 1755 | **4.9** | 1 5 | SU | 1640 | **4.2** | 1 3 |
| SA | 2345 | **12.8** | 3 9 | DI | 2245 | **13.7** | 4 2 |

### MAY MAI

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0455 | **4.7** | 1 4 | 16 | 0605 | **4.6** | 1 4 |
| | 1105 | **15.1** | 4 6 | | 1210 | **13.8** | 4 2 |
| MO | 1735 | **3.3** | 1 0 | TU | 1815 | **4.6** | 1 4 |
| LU | 2340 | **15.2** | 4 6 | MA | | | |
| 2 | 0600 | **3.3** | 1 0 | 17 | 0030 | **15.0** | 4 6 |
| | 1205 | **15.9** | 4 8 | | 0650 | **3.8** | 1 2 |
| TU | 1820 | **2.4** | 7 | WE | 1255 | **14.2** | 4 3 |
| MA | | | | ME | 1850 | **4.2** | 1 3 |
| 3 | 0035 | **16.9** | 5 2 | 18 | 0105 | **15.8** | 4 8 |
| | 0655 | **1.9** | 6 | | 0725 | **3.0** | 9 |
| WE | 1300 | **16.9** | 5 1 | TH | 1335 | **14.6** | 4 5 |
| ME | 1905 | **1.7** | 5 | JE | 1925 | **3.8** | 1 2 |
| 4 | 0125 | **18.4** | 5 6 | 19 | 0145 | **16.6** | 5 1 |
| | 0745 | **.6** | 2 | | 0805 | **2.5** | 8 |
| TH | 1350 | **17.3** | 5 3 | FR | 1410 | **14.9** | 4 5 |
| JE | 1950 | **1.2** | 4 | VE | 2000 | **3.5** | 1 1 |
| 5 | 0210 | **19.7** | 6 0 | 20 | 0220 | **17.2** | 5 2 |
| | 0830 | **−.2** | − 1 | | 0840 | **2.3** | 7 |
| FR | 1440 | **17.5** | 5 3 | SA | 1445 | **15.0** | 4 6 |
| VE | 2035 | **1.0** | 3 | SA | 2035 | **3.3** | 1 0 |
| 6 | 0255 | **20.5** | 6 2 | 21 | 0255 | **17.7** | 5 4 |
| | 0920 | **−.4** | − 1 | | 0915 | **2.3** | 7 |
| SA | 1525 | **17.4** | 5 3 | SU | 1520 | **15.0** | 4 6 |
| SA | 2120 | **1.1** | 3 | DI | 2110 | **3.3** | 1 0 |
| 7 | 0340 | **20.6** | 6 3 | 22 | 0330 | **17.9** | 5 5 |
| | 1005 | **.0** | 0 | | 0955 | **2.4** | 7 |
| SU | 1610 | **16.9** | 5 2 | MO | 1555 | **14.8** | 4 5 |
| DI | 2205 | **1.5** | 5 | LU | 2145 | **3.3** | 1 0 |
| 8 | 0425 | **20.0** | 6 1 | 23 | 0405 | **18.0** | 5 5 |
| | 1055 | **.9** | 3 | | 1035 | **2.7** | 8 |
| MO | 1655 | **15.9** | 4 8 | TU | 1635 | **14.6** | 4 5 |
| LU | 2250 | **2.4** | 7 | MA | 2220 | **3.5** | 1 1 |
| 9 | 0510 | **18.9** | 5 8 | 24 | 0445 | **17.8** | 5 4 |
| | 1145 | **2.1** | 6 | | 1115 | **3.0** | 9 |
| TU | 1745 | **14.7** | 4 5 | WE | 1715 | **14.2** | 4 3 |
| MA | 2335 | **3.4** | 1 0 | ME | 2300 | **3.8** | 1 2 |
| 10 | 0600 | **17.4** | 5 3 | 25 | 0530 | **17.3** | 5 3 |
| | 1240 | **3.5** | 1 1 | | 1155 | **3.4** | 1 0 |
| WE | 1835 | **13.5** | 4 1 | TH | 1800 | **13.9** | 4 2 |
| ME | | | | JE | 2345 | **4.2** | 1 3 |
| 11 | 0025 | **4.6** | 1 4 | 26 | 0615 | **16.7** | 5 1 |
| | 0655 | **15.9** | 4 8 | | 1245 | **3.7** | 1 1 |
| TH | 1340 | **4.7** | 1 4 | FR | 1855 | **13.7** | 4 2 |
| JE | 1935 | **12.6** | 3 8 | VE | | | |
| 12 | 0130 | **5.7** | 1 7 | 27 | 0040 | **4.7** | 1 4 |
| | 0800 | **14.5** | 4 4 | | 0710 | **15.9** | 4 8 |
| FR | 1455 | **5.4** | 1 6 | SA | 1340 | **4.0** | 1 2 |
| VE | 2050 | **12.3** | 3 7 | SA | 1955 | **13.7** | 4 2 |
| 13 | 0255 | **6.2** | 1 9 | 28 | 0145 | **5.1** | 1 6 |
| | 0910 | **13.7** | 4 2 | | 0815 | **15.2** | 4 6 |
| SA | 1600 | **5.5** | 1 7 | SU | 1445 | **4.1** | 1 2 |
| SA | 2155 | **12.5** | 3 8 | DI | 2100 | **14.1** | 4 3 |
| 14 | 0415 | **6.1** | 1 9 | 29 | 0305 | **5.0** | 1 5 |
| | 1020 | **13.4** | 4 1 | | 0920 | **14.8** | 4 5 |
| SU | 1655 | **5.4** | 1 6 | MO | 1550 | **4.0** | 1 2 |
| DI | 2255 | **13.2** | 4 0 | LU | 2205 | **14.9** | 4 5 |
| 15 | 0515 | **5.4** | 1 6 | 30 | 0425 | **4.4** | 1 3 |
| | 1120 | **13.5** | 4 1 | | 1030 | **14.6** | 4 5 |
| MO | 1740 | **5.0** | 1 5 | TU | 1650 | **3.8** | 1 1 |
| LU | 2345 | **14.1** | 4 3 | MA | 2305 | **16.0** | 4 9 |
| | | | | 31 | 0535 | **3.5** | 1 1 |
| | | | | | 1135 | **14.8** | 4 5 |
| | | | | WE | 1745 | **3.2** | 1 0 |
| | | | | ME | | | |

### JUNE JUIN

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0000 | **17.2** | 5 2 | 16 | 0025 | **15.3** | 4 7 |
| | 0635 | **2.4** | 7 | | 0700 | **4.1** | 1 2 |
| TH | 1235 | **15.2** | 4 6 | FR | 1300 | **13.2** | 4 0 |
| JE | 1840 | **2.8** | 9 | VE | 1850 | **4.7** | 1 4 |
| 2 | 0055 | **16.3** | 5 6 | 17 | 0110 | **16.1** | 4 9 |
| | 0730 | **1.5** | 5 | | 0745 | **3.6** | 1 1 |
| FR | 1330 | **15.8** | 4 8 | SA | 1345 | **13.7** | 4 2 |
| VE | 1930 | **2.4** | 7 | SA | 1930 | **4.3** | 1 3 |
| 3 | 0150 | **16.3** | 5 9 | 18 | 0155 | **16.9** | 5 2 |
| | 0820 | **.9** | 3 | | 0825 | **3.1** | 9 |
| SA | 1420 | **16.2** | 4 9 | SU | 1425 | **14.1** | 4 3 |
| SA | 2020 | **2.1** | 6 | DI | 2015 | **3.9** | 1 2 |
| 4 | 0240 | **20.0** | 6 1 | 19 | 0235 | **17.7** | 5 4 |
| | 0910 | **.7** | 2 | | 0905 | **2.7** | 8 |
| SU | 1510 | **16.3** | 5 0 | MO | 1505 | **14.5** | 4 4 |
| DI | 2105 | **2.0** | 6 | LU | 2055 | **3.5** | 1 1 |
| 5 | 0325 | **20.2** | 6 2 | 20 | 0315 | **18.3** | 5 6 |
| | 1000 | **.9** | 3 | | 0945 | **2.4** | 7 |
| MO | 1555 | **16.2** | 4 9 | TU | 1545 | **14.9** | 4 5 |
| LU | 2150 | **2.2** | 7 | MA | 2135 | **3.1** | 9 |
| 6 | 0410 | **19.8** | 6 0 | 21 | 0355 | **18.7** | 5 7 |
| | 1045 | **1.5** | 5 | | 1025 | **2.2** | 7 |
| TU | 1640 | **15.7** | 4 8 | WE | 1625 | **15.2** | 4 6 |
| MA | 2235 | **2.7** | 8 | ME | 2215 | **2.9** | 9 |
| 7 | 0455 | **18.9** | 5 8 | 22 | 0435 | **18.8** | 5 7 |
| | 1130 | **2.3** | 7 | | 1100 | **2.1** | 6 |
| WE | 1730 | **15.0** | 4 6 | TH | 1705 | **15.4** | 4 7 |
| ME | 2320 | **3.4** | 1 0 | JE | 2255 | **2.9** | 9 |
| 8 | 0545 | **17.7** | 5 4 | 23 | 0515 | **18.4** | 5 6 |
| | 1215 | **3.3** | 1 0 | | 1140 | **2.1** | 6 |
| TH | 1815 | **14.3** | 4 4 | FR | 1750 | **15.5** | 4 7 |
| JE | | | | VE | 2340 | **3.1** | 9 |
| 9 | 0010 | **4.3** | 1 3 | 24 | 0600 | **17.7** | 5 4 |
| | 0630 | **16.3** | 5 0 | | 1225 | **2.4** | 7 |
| FR | 1305 | **4.2** | 1 3 | SA | 1835 | **15.5** | 4 7 |
| VE | 1905 | **13.7** | 4 2 | SA | | | |
| 10 | 0100 | **5.1** | 1 6 | 25 | 0030 | **3.5** | 1 1 |
| | 0725 | **14.9** | 4 5 | | 0650 | **16.7** | 5 1 |
| SA | 1355 | **4.9** | 1 5 | SU | 1310 | **2.8** | 9 |
| SA | 2000 | **13.3** | 4 1 | DI | 1930 | **15.5** | 4 7 |
| 11 | 0200 | **5.7** | 1 7 | 26 | 0130 | **4.0** | 1 2 |
| | 0820 | **13.8** | 4 2 | | 0745 | **15.5** | 4 7 |
| SU | 1445 | **5.4** | 1 6 | MO | 1400 | **3.4** | 1 0 |
| DI | 2055 | **13.3** | 4 1 | LU | 2025 | **15.5** | 4 7 |
| 12 | 0310 | **5.9** | 1 8 | 27 | 0240 | **4.4** | 1 3 |
| | 0920 | **13.1** | 4 0 | | 0850 | **14.5** | 4 4 |
| MO | 1535 | **5.7** | 1 7 | TU | 1500 | **3.9** | 1 2 |
| LU | 2150 | **13.5** | 4 1 | MA | 2125 | **15.8** | 4 8 |
| 13 | 0415 | **5.7** | 1 7 | 28 | 0400 | **4.4** | 1 3 |
| | 1015 | **12.7** | 3 9 | | 0955 | **13.8** | 4 2 |
| TU | 1625 | **5.6** | 1 7 | WE | 1605 | **4.2** | 1 3 |
| MA | 2245 | **13.9** | 4 2 | ME | 2230 | **16.1** | 4 9 |
| 14 | 0515 | **5.3** | 1 6 | 29 | 0515 | **4.9** | 1 2 |
| | 1115 | **12.8** | 3 8 | | 1105 | **13.5** | 4 1 |
| WE | 1715 | **5.4** | 1 6 | TH | 1715 | **4.2** | 1 3 |
| ME | 2335 | **14.5** | 4 4 | JE | 2335 | **16.8** | 5 1 |
| 15 | 0610 | **4.7** | 1 4 | 30 | 0625 | **3.3** | 1 0 |
| | 1210 | **12.8** | 3 9 | | 1215 | **13.8** | 4 2 |
| TH | 1805 | **5.1** | 1 6 | FR | 1815 | **3.9** | 1 2 |
| JE | | | | VE | | | |

# PORT-ALFRED (EST 2+5)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0040 | **17.6** | 5.4 | 16 | 0045 | **15.5** | 4.7 |
| | 0725 | **2.6** | .8 | | 0730 | **4.3** | 1.3 |
| SA | 1320 | **14.3** | 4.4 | SU | 1325 | **12.8** | 3.9 |
| SA | 1915 | **3.4** | 1.0 | DI | 1910 | **4.7** | 1.4 |
| 2 | 0135 | **18.5** | 5.6 | 17 | 0135 | **16.6** | 5.1 |
| | 0815 | **2.0** | .6 | | 0810 | **3.4** | 1.0 |
| SU | 1410 | **15.0** | 4.6 | MO | 1410 | **13.7** | 4.2 |
| DI | 2005 | **2.9** | .9 | LU | 1955 | **3.9** | 1.2 |
| 3 | 0230 | **19.2** | 5.9 | 18 | 0220 | **17.8** | 5.4 |
| | 0905 | **1.6** | .5 | | 0850 | **2.5** | .8 |
| MO | 1500 | **15.6** | 4.8 | TU | 1450 | **14.7** | 4.5 |
| LU | 2055 | **2.5** | .8 | MA | 2040 | **3.1** | .9 |
| 4 | 0315 | **19.6** | 6.0 | 19 | 0300 | **18.7** | 5.7 |
| | 0950 | **1.5** | .5 | | 0930 | **1.7** | .5 |
| TU | 1545 | **15.9** | 4.8 | WE | 1530 | **15.6** | 4.8 |
| MA | 2140 | **2.4** | .7 | ME | 2120 | **2.3** | .7 |
| 5 | 0400 | **19.5** | 5.9 | 20 | 0340 | **19.4** | 5.9 |
| | 1030 | **1.7** | .5 | | 1005 | **1.1** | .3 |
| WE | 1625 | **15.9** | 4.8 | TH | 1605 | **16.4** | 5.0 |
| ME | 2225 | **2.5** | .8 | JE | 2205 | **1.8** | .5 |
| 6 | 0440 | **18.8** | 5.7 | 21 | 0420 | **18.5** | 5.9 |
| | 1110 | **2.1** | .6 | | 1040 | **.8** | .2 |
| TH | 1710 | **15.7** | 4.8 | FR | 1645 | **17.0** | 5.2 |
| JE | 2305 | **2.9** | .9 | VE | 2245 | **1.6** | .5 |
| 7 | 0520 | **17.8** | 5.4 | 22 | 0500 | **19.1** | 5.8 |
| | 1145 | **2.8** | .9 | | 1115 | **.8** | .2 |
| FR | 1750 | **15.3** | 4.7 | SA | 1730 | **17.3** | 5.3 |
| VE | 2345 | **3.5** | 1.1 | SA | 2330 | **1.7** | .5 |
| 8 | 0600 | **16.5** | 5.0 | 23 | 0545 | **18.2** | 5.5 |
| | 1220 | **3.5** | 1.1 | | 1155 | **1.3** | .4 |
| SA | 1830 | **14.8** | 4.5 | SU | 1815 | **17.3** | 5.3 |
| SA | | | | DI | | | |
| 9 | 0025 | **4.1** | 1.2 | 24 | 0015 | **2.2** | .7 |
| | 0640 | **15.2** | 4.6 | | 0630 | **16.8** | 5.1 |
| SU | 1250 | **4.2** | 1.3 | MO | 1235 | **2.0** | .6 |
| DI | 1910 | **14.4** | 4.4 | LU | 1900 | **16.9** | 5.2 |
| 10 | 0105 | **4.8** | 1.5 | 25 | 0110 | **3.0** | .9 |
| | 0725 | **13.9** | 4.2 | | 0720 | **15.3** | 4.7 |
| MO | 1325 | **4.9** | 1.5 | TU | 1325 | **3.0** | .9 |
| LU | 1955 | **14.0** | 4.3 | MA | 1955 | **16.4** | 5.0 |
| 11 | 0200 | **5.3** | 1.6 | 26 | 0215 | **4.0** | 1.2 |
| | 0810 | **12.9** | 3.9 | | 0820 | **13.8** | 4.2 |
| TU | 1410 | **5.4** | 1.6 | WE | 1420 | **4.1** | 1.2 |
| MA | 2040 | **13.8** | 4.2 | ME | 2055 | **16.0** | 4.9 |
| 12 | 0305 | **5.8** | 1.8 | 27 | 0335 | **4.6** | 1.4 |
| | 0905 | **12.1** | 3.7 | | 0930 | **12.7** | 3.9 |
| WE | 1505 | **5.9** | 1.8 | TH | 1530 | **4.8** | 1.5 |
| ME | 2135 | **13.8** | 4.2 | JE | 2205 | **15.7** | 4.8 |
| 13 | 0415 | **5.9** | 1.8 | 28 | 0505 | **4.6** | 1.4 |
| | 1010 | **11.6** | 3.5 | | 1045 | **12.3** | 3.7 |
| TH | 1610 | **6.0** | 1.8 | FR | 1655 | **5.0** | 1.5 |
| JE | 2240 | **14.0** | 4.3 | VE | 2320 | **15.9** | 4.8 |
| 14 | 0530 | **5.6** | 1.7 | 29 | 0620 | **4.1** | 1.2 |
| | 1120 | **11.5** | 3.5 | | 1205 | **12.6** | 3.8 |
| FR | 1715 | **5.9** | 1.8 | SA | 1810 | **4.6** | 1.4 |
| VE | 2345 | **14.5** | 4.4 | SA | | | |
| 15 | 0635 | **5.1** | 1.6 | 30 | 0030 | **16.7** | 5.1 |
| | 1230 | **12.0** | 3.7 | | 0720 | **3.3** | 1.0 |
| SA | 1820 | **5.4** | 1.6 | SU | 1310 | **13.5** | 4.1 |
| SA | | | | DI | 1910 | **4.0** | 1.2 |
| | | | | 31 | 0130 | **17.8** | 5.4 |
| | | | | | 0810 | **2.6** | .8 |
| | | | | MO | 1405 | **14.5** | 4.4 |
| | | | | LU | 2000 | **3.2** | 1.0 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0220 | **18.4** | 5.6 | 16 | 0200 | **17.8** | 5.4 |
| | 0850 | **2.0** | .6 | | 0825 | **1.9** | .6 |
| TU | 1450 | **15.4** | 4.7 | WE | 1430 | **15.4** | 4.7 |
| MA | 2045 | **2.6** | .8 | ME | 2025 | **2.3** | .7 |
| 2 | 0300 | **18.9** | 5.8 | 17 | 0240 | **18.9** | 5.8 |
| | 0930 | **1.6** | .5 | | 0900 | **.9** | .3 |
| WE | 1530 | **16.1** | 4.9 | TH | 1505 | **16.8** | 5.1 |
| ME | 2125 | **2.2** | .7 | JE | 2105 | **1.2** | .4 |
| 3 | 0340 | **18.9** | 5.8 | 18 | 0320 | **19.6** | 6.0 |
| | 1005 | **1.6** | .5 | | 0935 | **.2** | .1 |
| TH | 1605 | **16.4** | 5.0 | FR | 1545 | **17.9** | 5.5 |
| JE | 2205 | **2.0** | .6 | VE | 2145 | **.4** | .1 |
| 4 | 0420 | **18.4** | 5.6 | 19 | 0400 | **19.7** | 6.0 |
| | 1035 | **1.8** | .5 | | 1015 | **−.1** | .0 |
| FR | 1640 | **16.5** | 5.0 | SA | 1625 | **18.7** | 5.7 |
| VE | 2240 | **2.1** | .6 | SA | 2230 | **.1** | .0 |
| 5 | 0455 | **17.8** | 5.4 | 20 | 0440 | **19.1** | 5.8 |
| | 1105 | **2.2** | .7 | | 1050 | **.1** | .0 |
| SA | 1715 | **16.3** | 5.0 | SU | 1705 | **18.9** | 5.8 |
| SA | 2315 | **2.5** | .8 | DI | 2315 | **.4** | .1 |
| 6 | 0530 | **16.5** | 5.0 | 21 | 0525 | **18.0** | 5.5 |
| | 1130 | **2.8** | .9 | | 1125 | **.7** | .2 |
| SU | 1745 | **15.9** | 4.8 | MO | 1745 | **18.6** | 5.7 |
| DI | 2345 | **3.0** | .9 | LU | | | |
| 7 | 0600 | **15.2** | 4.6 | 22 | 0000 | **1.2** | .4 |
| | 1155 | **3.5** | 1.1 | | 0610 | **16.5** | 5.0 |
| MO | 1820 | **15.4** | 4.7 | TU | 1210 | **1.8** | .5 |
| LU | | | | MA | 1835 | **17.8** | 5.4 |
| 8 | 0020 | **3.7** | 1.1 | 23 | 0055 | **2.4** | .7 |
| | 0635 | **14.0** | 4.3 | | 0700 | **14.7** | 4.5 |
| TU | 1225 | **4.1** | 1.2 | WE | 1255 | **3.1** | .9 |
| MA | 1855 | **14.8** | 4.5 | ME | 1930 | **16.7** | 5.1 |
| 9 | 0105 | **4.6** | 1.4 | 24 | 0200 | **3.8** | 1.2 |
| | 0715 | **12.8** | 3.9 | | 0800 | **13.1** | 4.0 |
| WE | 1300 | **4.9** | 1.5 | TH | 1350 | **4.4** | 1.3 |
| ME | 1940 | **14.2** | 4.3 | JE | 2030 | **15.7** | 4.8 |
| 10 | 0200 | **5.0** | 1.7 | 25 | 0325 | **4.8** | 1.5 |
| | 0805 | **11.7** | 3.6 | | 0910 | **11.8** | 3.6 |
| TH | 1350 | **5.7** | 1.7 | FR | 1510 | **5.4** | 1.6 |
| JE | 2035 | **13.7** | 4.2 | VE | 2145 | **15.0** | 4.6 |
| 11 | 0320 | **6.3** | 1.9 | 26 | 0505 | **4.9** | 1.5 |
| | 0905 | **10.9** | 3.3 | | 1040 | **11.5** | 3.5 |
| FR | 1505 | **6.3** | 1.9 | SA | 1650 | **5.6** | 1.7 |
| VE | 2145 | **13.5** | 4.1 | SA | 2310 | **15.1** | 4.6 |
| 12 | 0500 | **6.2** | 1.9 | 27 | 0620 | **4.3** | 1.3 |
| | 1035 | **10.7** | 3.3 | | 1205 | **12.2** | 3.7 |
| SA | 1635 | **6.4** | 2.0 | SU | 1810 | **5.0** | 1.5 |
| SA | 2310 | **13.9** | 4.2 | DI | | | |
| 13 | 0615 | **5.5** | 1.7 | 28 | 0025 | **15.8** | 4.8 |
| | 1205 | **11.3** | 3.4 | | 0710 | **3.5** | 1.1 |
| SU | 1755 | **5.7** | 1.7 | MO | 1305 | **13.3** | 4.1 |
| DI | | | | LU | 1905 | **4.1** | 1.2 |
| 14 | 0020 | **15.0** | 4.6 | 29 | 0120 | **16.7** | 5.1 |
| | 0710 | **4.3** | 1.3 | | 0755 | **2.7** | .8 |
| MO | 1305 | **12.5** | 3.8 | TU | 1350 | **14.6** | 4.5 |
| LU | 1850 | **4.7** | 1.4 | MA | 1950 | **3.1** | .9 |
| 15 | 0115 | **16.4** | 5.0 | 30 | 0205 | **17.5** | 5.3 |
| | 0750 | **3.1** | .9 | | 0830 | **2.1** | .6 |
| TU | 1350 | **13.9** | 4.2 | WE | 1430 | **15.7** | 4.8 |
| MA | 1940 | **3.5** | 1.1 | ME | 2030 | **2.3** | .7 |
| | | | | 31 | 0245 | **17.8** | 5.5 |
| | | | | | 0905 | **1.7** | .5 |
| | | | | TH | 1505 | **16.5** | 5.0 |
| | | | | JE | 2110 | **1.7** | .5 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0320 | **18.0** | 5.5 | 16 | 0255 | **19.1** | 5.8 |
| | 0935 | **1.8** | .5 | | 0905 | **−.2** | −.1 |
| FR | 1540 | **17.0** | 5.2 | SA | 1515 | **18.2** | 5.9 |
| VE | 2145 | **1.4** | .4 | SA | 2130 | **−.7** | −.2 |
| 2 | 0355 | **17.7** | 5.4 | 17 | 0340 | **19.1** | 5.8 |
| | 1000 | **1.7** | .5 | | 0945 | **−.3** | −.1 |
| SA | 1610 | **17.1** | 5.2 | SU | 1600 | **19.9** | 6.1 |
| SA | 2215 | **1.4** | .4 | DI | 2210 | **−.9** | −.3 |
| 3 | 0425 | **17.0** | 5.2 | 18 | 0420 | **18.5** | 5.6 |
| | 1025 | **2.0** | .6 | | 1020 | **.0** | .0 |
| SU | 1640 | **17.0** | 5.2 | MO | 1640 | **20.0** | 6.1 |
| DI | 2245 | **1.6** | .5 | LU | 2255 | **−.4** | −.1 |
| 4 | 0455 | **16.1** | 4.9 | 19 | 0505 | **17.4** | 5.3 |
| | 1050 | **2.5** | .8 | | 1100 | **.8** | .2 |
| MO | 1705 | **16.6** | 5.1 | TU | 1725 | **19.3** | 5.9 |
| LU | 2315 | **2.2** | .7 | MA | 2345 | **.7** | .2 |
| 5 | 0525 | **15.0** | 4.6 | 20 | 0550 | **15.8** | 4.8 |
| | 1115 | **3.0** | .9 | | 1145 | **2.0** | .6 |
| TU | 1740 | **16.1** | 4.9 | WE | 1810 | **18.1** | 5.5 |
| MA | 2345 | **3.1** | .9 | ME | | | |
| 6 | 0600 | **13.9** | 4.2 | 21 | 0040 | **2.2** | .7 |
| | 1140 | **3.7** | 1.1 | | 0640 | **14.1** | 4.3 |
| WE | 1815 | **15.3** | 4.7 | TH | 1235 | **3.4** | 1.0 |
| ME | | | | JE | 1905 | **16.6** | 5.1 |
| 7 | 0025 | **4.2** | 1.3 | 22 | 0145 | **3.8** | 1.2 |
| | 0635 | **12.7** | 3.9 | | 0740 | **12.6** | 3.8 |
| TH | 1215 | **4.6** | 1.4 | FR | 1335 | **4.8** | 1.5 |
| JE | 1855 | **14.5** | 4.4 | VE | 2010 | **15.2** | 4.6 |
| 8 | 0115 | **5.3** | 1.6 | 23 | 0320 | **4.9** | 1.5 |
| | 0720 | **11.6** | 3.5 | | 0900 | **11.5** | 3.5 |
| FR | 1300 | **5.5** | 1.7 | SA | 1505 | **5.7** | 1.7 |
| VE | 1950 | **13.7** | 4.2 | SA | 2135 | **14.4** | 4.4 |
| 9 | 0230 | **6.2** | 1.9 | 24 | 0450 | **4.9** | 1.5 |
| | 0825 | **10.7** | 3.3 | | 1030 | **11.5** | 3.5 |
| SA | 1415 | **6.4** | 2.0 | SU | 1645 | **5.7** | 1.7 |
| SA | 2105 | **13.3** | 4.1 | DI | 2300 | **14.4** | 4.4 |
| 10 | 0425 | **6.2** | 1.9 | 25 | 0600 | **4.4** | 1.3 |
| | 0955 | **10.5** | 3.2 | | 1150 | **12.4** | 3.8 |
| SU | 1600 | **6.5** | 2.0 | MO | 1800 | **4.9** | 1.5 |
| DI | 2235 | **13.6** | 4.1 | LU | | | |
| 11 | 0540 | **5.3** | 1.6 | 26 | 0010 | **15.0** | 4.6 |
| | 1135 | **11.3** | 3.4 | | 0650 | **3.7** | 1.1 |
| MO | 1730 | **5.7** | 1.7 | TU | 1245 | **13.6** | 4.1 |
| LU | 2350 | **14.7** | 4.5 | MA | 1850 | **4.0** | 1.2 |
| 12 | 0635 | **4.0** | 1.2 | 27 | 0100 | **15.7** | 4.8 |
| | 1235 | **12.8** | 3.9 | | 0725 | **3.0** | .9 |
| TU | 1830 | **4.4** | 1.3 | WE | 1325 | **14.8** | 4.5 |
| MA | | | | ME | 1935 | **3.0** | .9 |
| 13 | 0045 | **16.1** | 4.9 | 28 | 0140 | **16.3** | 5.0 |
| | 0715 | **2.7** | .8 | | 0800 | **2.5** | .8 |
| WE | 1320 | **14.5** | 4.4 | TH | 1400 | **15.9** | 4.8 |
| ME | 1915 | **2.9** | .9 | JE | 2010 | **2.2** | .7 |
| 14 | 0130 | **17.4** | 5.3 | 29 | 0220 | **16.7** | 5.1 |
| | 0750 | **1.5** | .5 | | 0830 | **2.2** | .7 |
| TH | 1400 | **16.3** | 5.0 | FR | 1435 | **16.7** | 5.1 |
| JE | 2000 | **1.4** | .4 | VE | 2045 | **1.5** | .5 |
| 15 | 0215 | **18.4** | 5.6 | 30 | 0255 | **16.8** | 5.1 |
| | 0830 | **.5** | .2 | | 0855 | **2.0** | .6 |
| FR | 1440 | **17.9** | 5.5 | SA | 1505 | **17.2** | 5.2 |
| VE | 2045 | **.2** | .1 | SA | 2115 | **1.1** | .3 |

V-3

## TABLE DES MARÉES

# PORT-ALFRED (JINE 2-5)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0325 | **16.7** | 5 1 | 16 | 0320 | **18.1** | 5 5 |
| | 0920 | **2.0** | 6 | | 0915 | **.1** | 0 |
| SU | 1535 | **17.4** | 5 3 | MO | 1535 | **20.5** | 6 2 |
| DI | 2145 | **1.1** | 3 | LU | 2155 | **−1.0** | − 3 |
| 2 | 0355 | **16.2** | 4 9 | 17 | 0400 | **17.6** | 5 4 |
| | 0945 | **2.2** | 7 | | 1000 | **.5** | 2 |
| MO | 1605 | **17.4** | 5 3 | TU | 1620 | **20.4** | 6 2 |
| LU | 2215 | **1.4** | 4 | MA | 2245 | **−.4** | − 1 |
| 3 | 0425 | **15.6** | 4 7 | 18 | 0445 | **16.7** | 5 1 |
| | 1015 | **2.6** | 8 | | 1045 | **1.2** | 4 |
| TU | 1635 | **17.1** | 5 2 | WE | 1705 | **19.6** | 6 0 |
| MA | 2250 | **2.1** | 6 | ME | 2335 | **.8** | 2 |
| 4 | 0455 | **14.6** | 4 5 | 19 | 0535 | **15.4** | 4 7 |
| | 1040 | **3.1** | 9 | | 1130 | **2.3** | 7 |
| WE | 1705 | **16.5** | 5 0 | TH | 1755 | **18.2** | 5 5 |
| ME | 2320 | **3.0** | 9 | JE | | | |
| 5 | 0530 | **13.7** | 4 2 | 20 | 0030 | **2.3** | 7 |
| | 1115 | **3.7** | 1 1 | | 0625 | **13.9** | 4 2 |
| TH | 1740 | **15.7** | 4 8 | FR | 1220 | **3.6** | 1 1 |
| JE | | | | VE | 1850 | **16.6** | 5 1 |
| 6 | 0000 | **4.0** | 1 2 | 21 | 0135 | **3.8** | 1 2 |
| | 0605 | **12.7** | 3 9 | | 0730 | **12.6** | 3 8 |
| FR | 1150 | **4.5** | 1 4 | SA | 1325 | **4.9** | 1 5 |
| VE | 1825 | **14.9** | 4 5 | SA | 1955 | **15.1** | 4 6 |
| 7 | 0050 | **5.0** | 1 5 | 22 | 0300 | **4.7** | 1 4 |
| | 0655 | **11.7** | 3 6 | | 0845 | **12.0** | 3 7 |
| SA | 1235 | **5.4** | 1 6 | SU | 1455 | **5.7** | 1 7 |
| SA | 1920 | **14.1** | 4 3 | DI | 2115 | **14.1** | 4 3 |
| 8 | 0200 | **5.7** | 1 7 | 23 | 0420 | **4.9** | 1 5 |
| | 0800 | **11.1** | 3 4 | | 1005 | **12.1** | 3 7 |
| SU | 1345 | **6.1** | 1 9 | MO | 1625 | **5.6** | 1 7 |
| DI | 2030 | **13.6** | 4 1 | LU | 2235 | **13.6** | 4 2 |
| 9 | 0340 | **5.7** | 1 7 | 24 | 0520 | **4.6** | 1 4 |
| | 0925 | **11.1** | 3 4 | | 1115 | **12.9** | 3 9 |
| MO | 1530 | **6.2** | 1 9 | TU | 1735 | **4.9** | 1 5 |
| LU | 2155 | **13.8** | 4 2 | MA | 2335 | **14.1** | 4 3 |
| 10 | 0455 | **4.9** | 1 5 | 25 | 0610 | **4.2** | 1 3 |
| | 1050 | **12.1** | 3 7 | | 1205 | **13.9** | 4 2 |
| TU | 1655 | **5.3** | 1 6 | WE | 1825 | **4.1** | 1 2 |
| MA | 2310 | **14.5** | 4 4 | ME | | | |
| 11 | 0545 | **3.7** | 1 1 | 26 | 0030 | **14.5** | 4 4 |
| | 1150 | **13.6** | 4 1 | | 0645 | **3.7** | 1 1 |
| WE | 1800 | **4.0** | 1 2 | TH | 1250 | **14.9** | 4 5 |
| ME | | | | JE | 1905 | **3.2** | 1 0 |
| 12 | 0010 | **15.6** | 4 7 | 27 | 0110 | **15.0** | 4 6 |
| | 0630 | **2.6** | 8 | | 0720 | **3.3** | 1 0 |
| TH | 1240 | **15.3** | 4 7 | FR | 1325 | **15.8** | 4 8 |
| JE | 1850 | **2.4** | 7 | VE | 1945 | **2.4** | 7 |
| 13 | 0100 | **16.6** | 5 1 | 28 | 0150 | **15.3** | 4 7 |
| | 0715 | **1.6** | 5 | | 0750 | **3.0** | 9 |
| FR | 1325 | **17.1** | 5 2 | SA | 1400 | **16.6** | 5 1 |
| VE | 1935 | **.9** | 3 | SA | 2020 | **1.8** | 5 |
| 14 | 0150 | **17.5** | 5 3 | 29 | 0225 | **15.5** | 4 7 |
| | 0755 | **.7** | 2 | | 0820 | **2.8** | 9 |
| SA | 1410 | **18.7** | 5 7 | SU | 1435 | **17.1** | 5 2 |
| SA | 2025 | **−.3** | − 1 | DI | 2050 | **1.5** | 5 |
| 15 | 0235 | **18.8** | 5 5 | 30 | 0300 | **15.5** | 4 7 |
| | 0835 | **.2** | 1 | | 0850 | **2.7** | 8 |
| SU | 1450 | **19.9** | 6 1 | MO | 1505 | **17.4** | 5 3 |
| DI | 2110 | **−.9** | − 3 | LU | 2125 | **1.5** | 5 |
| | | | | 31 | 0330 | **15.3** | 4 7 |
| | | | | | 0915 | **2.7** | 8 |
| | | | | TU | 1535 | **17.4** | 5 3 |
| | | | | MA | 2155 | **1.8** | 5 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0400 | **14.8** | 4 5 | 16 | 0435 | **18.1** | 4 9 |
| | 0950 | **2.9** | 9 | | 1030 | **1.6** | 5 |
| WE | 1610 | **17.3** | 5 3 | TH | 1650 | **19.8** | 6 0 |
| ME | 2230 | **2.4** | 7 | JE | 2325 | **1.1** | 3 |
| 2 | 0435 | **14.3** | 4 4 | 17 | 0520 | **15.2** | 4 6 |
| | 1020 | **3.3** | 1 0 | | 1115 | **2.5** | 8 |
| TH | 1645 | **16.9** | 5 2 | FR | 1740 | **18.3** | 5 6 |
| JE | 2305 | **3.0** | 9 | VE | | | |
| 3 | 0510 | **13.6** | 4 1 | 18 | 0015 | **2.3** | 7 |
| | 1055 | **3.7** | 1 1 | | 0615 | **14.2** | 4 3 |
| FR | 1725 | **16.3** | 5 0 | SA | 1210 | **3.6** | 1 1 |
| VE | 2350 | **3.7** | 1 1 | SA | 1835 | **16.7** | 5 1 |
| 4 | 0555 | **13.0** | 4 0 | 19 | 0115 | **3.5** | 1 1 |
| | 1135 | **4.3** | 1 3 | | 0710 | **13.3** | 4 1 |
| SA | 1810 | **15.6** | 4 8 | SU | 1310 | **4.8** | 1 4 |
| SA | | | | DI | 1935 | **15.2** | 4 6 |
| 5 | 0035 | **4.3** | 1 3 | 20 | 0220 | **4.4** | 1 3 |
| | 0645 | **12.4** | 3 8 | | 0820 | **12.8** | 3 9 |
| SU | 1225 | **5.0** | 1 5 | MO | 1425 | **5.4** | 1 6 |
| DI | 1900 | **14.9** | 4 5 | LU | 2040 | **14.0** | 4 3 |
| 6 | 0135 | **4.7** | 1 4 | 21 | 0325 | **4.9** | 1 5 |
| | 0745 | **12.2** | 3 7 | | 0925 | **12.8** | 3 9 |
| MO | 1330 | **5.5** | 1 7 | TU | 1545 | **5.5** | 1 7 |
| LU | 2005 | **14.3** | 4 4 | MA | 2150 | **13.3** | 4 1 |
| 7 | 0250 | **4.7** | 1 4 | 22 | 0425 | **5.0** | 1 5 |
| | 0855 | **12.4** | 3 8 | | 1025 | **13.2** | 4 0 |
| TU | 1455 | **5.5** | 1 7 | WE | 1650 | **5.2** | 1 6 |
| MA | 2115 | **14.1** | 4 3 | ME | 2250 | **13.1** | 4 0 |
| 8 | 0355 | **4.3** | 1 3 | 23 | 0515 | **4.8** | 1 5 |
| | 1005 | **13.3** | 4 1 | | 1120 | **13.8** | 4 2 |
| WE | 1615 | **4.9** | 1 5 | TH | 1745 | **4.5** | 1 4 |
| ME | 2225 | **14.3** | 4 4 | JE | 2345 | **13.2** | 4 0 |
| 9 | 0455 | **3.8** | 1 1 | 24 | 0555 | **4.6** | 1 4 |
| | 1105 | **14.5** | 4 4 | | 1205 | **14.6** | 4 5 |
| TH | 1725 | **3.7** | 1 1 | FR | 1835 | **3.8** | 1 2 |
| JE | 2330 | **14.8** | 4 5 | VE | | | |
| 10 | 0545 | **2.9** | 9 | 25 | 0035 | **13.5** | 4 1 |
| | 1200 | **16.0** | 4 9 | | 0635 | **4.2** | 1 3 |
| FR | 1820 | **2.4** | 7 | SA | 1250 | **15.3** | 4 7 |
| VE | | | | SA | 1915 | **3.2** | 1 0 |
| 11 | 0030 | **15.5** | 4 7 | 26 | 0120 | **13.9** | 4 2 |
| | 0635 | **2.1** | 6 | | 0710 | **3.9** | 1 2 |
| SA | 1250 | **17.6** | 5 4 | SU | 1330 | **16.0** | 4 9 |
| SA | 1915 | **1.1** | 3 | DI | 1955 | **2.7** | 8 |
| 12 | 0125 | **16.2** | 4 9 | 27 | 0200 | **14.2** | 4 3 |
| | 0725 | **1.5** | 5 | | 0745 | **3.6** | 1 1 |
| SU | 1340 | **19.0** | 5 8 | MO | 1405 | **16.7** | 5 1 |
| DI | 2005 | **.1** | 0 | LU | 2030 | **2.4** | 7 |
| 13 | 0210 | **16.7** | 5 1 | 28 | 0235 | **14.4** | 4 4 |
| | 0810 | **1.1** | 3 | | 0820 | **3.4** | 1 0 |
| MO | 1430 | **20.0** | 6 1 | TU | 1440 | **17.2** | 5 2 |
| LU | 2055 | **−.4** | − 1 | MA | 2105 | **2.3** | 7 |
| 14 | 0300 | **16.9** | 5 2 | 29 | 0310 | **14.4** | 4 4 |
| | 0855 | **.9** | 3 | | 0855 | **3.2** | 1 0 |
| TU | 1515 | **20.5** | 6 2 | WE | 1520 | **17.5** | 5 3 |
| MA | 2145 | **−.4** | − 1 | ME | 2145 | **2.3** | 7 |
| 15 | 0345 | **16.7** | 5 1 | 30 | 0345 | **14.4** | 4 4 |
| | 0940 | **1.1** | 3 | | 0930 | **3.2** | 1 0 |
| WE | 1600 | **20.3** | 6 2 | TH | 1555 | **17.8** | 5 4 |
| ME | 2235 | **.2** | 1 | JE | 2220 | **2.5** | 8 |

### DECEMBER-DECEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0420 | **14.3** | 4 4 | 16 | 0510 | **15.6** | 4 8 |
| | 1010 | **3.2** | 1 0 | | 1105 | **2.3** | 7 |
| FR | 1630 | **17.5** | 5 3 | SA | 1725 | **18.4** | 5 6 |
| VE | 2300 | **2.7** | 8 | SA | 2355 | **2.1** | 6 |
| 2 | 0500 | **14.1** | 4 3 | 17 | 0555 | **15.0** | 4 6 |
| | 1050 | **3.4** | 1 0 | | 1155 | **3.1** | 9 |
| SA | 1710 | **17.2** | 5 2 | SU | 1815 | **18.9** | 5 2 |
| SA | 2340 | **2.9** | 9 | DI | | | |
| 3 | 0540 | **13.8** | 4 2 | 18 | 0040 | **3.0** | 9 |
| | 1130 | **3.7** | 1 1 | | 0645 | **14.4** | 4 4 |
| SU | 1755 | **16.6** | 5 1 | MO | 1245 | **4.0** | 1 2 |
| DI | | | | LU | 1905 | **15.4** | 4 7 |
| 4 | 0020 | **3.2** | 1 0 | 19 | 0130 | **4.0** | 1 2 |
| | 0630 | **13.8** | 4 2 | | 0735 | **13.8** | 4 2 |
| MO | 1215 | **4.1** | 1 2 | TU | 1340 | **4.8** | 1 5 |
| LU | 1845 | **15.9** | 4 8 | MA | 1955 | **14.0** | 4 3 |
| 5 | 0105 | **3.4** | 1 0 | 20 | 0215 | **4.7** | 1 4 |
| | 0720 | **13.8** | 4 2 | | 0830 | **13.5** | 4 1 |
| TU | 1315 | **4.5** | 1 4 | WE | 1445 | **5.3** | 1 6 |
| MA | 1940 | **15.1** | 4 6 | ME | 2050 | **13.0** | 4 0 |
| 6 | 0200 | **3.7** | 1 1 | 21 | 0305 | **5.2** | 1 6 |
| | 0820 | **14.0** | 4 3 | | 0925 | **13.5** | 4 1 |
| WE | 1420 | **4.7** | 1 4 | TH | 1550 | **5.4** | 1 6 |
| ME | 2040 | **14.4** | 4 4 | JE | 2150 | **12.3** | 3 7 |
| 7 | 0300 | **3.8** | 1 2 | 22 | 0400 | **5.4** | 1 6 |
| | 0920 | **14.5** | 4 4 | | 1020 | **13.6** | 4 1 |
| TH | 1540 | **4.5** | 1 4 | FR | 1655 | **5.2** | 1 6 |
| JE | 2145 | **14.0** | 4 3 | VE | 2250 | **12.0** | 3 7 |
| 8 | 0405 | **3.7** | 1 1 | 23 | 0455 | **5.4** | 1 6 |
| | 1025 | **15.3** | 4 7 | | 1115 | **14.0** | 4 3 |
| FR | 1655 | **3.8** | 1 2 | SA | 1755 | **4.8** | 1 5 |
| VE | 2255 | **13.9** | 4 2 | SA | 2350 | **12.1** | 3 7 |
| 9 | 0505 | **3.5** | 1 1 | 24 | 0545 | **5.2** | 1 6 |
| | 1125 | **16.3** | 5 0 | | 1210 | **14.6** | 4 5 |
| SA | 1800 | **2.9** | 9 | SU | 1845 | **4.3** | 1 3 |
| SA | | | | DI | | | |
| 10 | 0000 | **14.2** | 4 3 | 25 | 0045 | **12.4** | 3 8 |
| | 0605 | **3.0** | 9 | | 0635 | **4.8** | 1 5 |
| SU | 1225 | **17.4** | 5 3 | MO | 1300 | **15.4** | 4 7 |
| DI | 1900 | **1.9** | 6 | LU | 1935 | **3.7** | 1 1 |
| 11 | 0100 | **14.8** | 4 5 | 26 | 0135 | **12.9** | 3 9 |
| | 0700 | **2.5** | 8 | | 0720 | **4.3** | 1 3 |
| MO | 1320 | **18.6** | 5 7 | TU | 1345 | **16.2** | 4 9 |
| LU | 1955 | **1.1** | 3 | MA | 2015 | **3.2** | 1 0 |
| 12 | 0155 | **15.4** | 4 7 | 27 | 0215 | **13.5** | 4 1 |
| | 0750 | **2.0** | 6 | | 0800 | **3.8** | 1 2 |
| TU | 1415 | **19.6** | 6 0 | WE | 1425 | **17.0** | 5 2 |
| MA | 2045 | **.6** | 2 | ME | 2055 | **2.7** | 8 |
| 13 | 0245 | **15.9** | 4 8 | 28 | 0255 | **14.0** | 4 3 |
| | 0840 | **1.6** | 5 | | 0840 | **3.3** | 1 0 |
| WE | 1505 | **20.1** | 6 1 | TH | 1505 | **17.7** | 5 4 |
| ME | 2135 | **.4** | 1 | JE | 2135 | **2.3** | 7 |
| 14 | 0335 | **16.1** | 4 9 | 29 | 0330 | **14.5** | 4 4 |
| | 0930 | **1.5** | 5 | | 0920 | **2.9** | 9 |
| TH | 1550 | **20.1** | 6 1 | FR | 1540 | **18.2** | 5 5 |
| JE | 2225 | **.6** | 2 | VE | 2210 | **2.0** | 6 |
| 15 | 0420 | **16.0** | 4 9 | 30 | 0410 | **14.9** | 4 5 |
| | 1020 | **1.8** | 5 | | 1000 | **2.6** | 8 |
| FR | 1640 | **19.5** | 5 9 | SA | 1620 | **18.3** | 5 6 |
| VE | 2310 | **1.2** | 4 | SA | 2245 | **1.8** | 5 |
| | | | | 31 | 0445 | **15.2** | 4 6 |
| | | | | | 1040 | **2.5** | 8 |
| | | | | SU | 1655 | **18.1** | 5 5 |
| | | | | DI | 2320 | **1.7** | 5 |

# CHICOUTIMI (EST -5)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0325 | 4.3 | 1 3 | 16 | 0410 | 3.9 | 1 2 |
| | 0935 | 11.6 | 3 5 | | 0955 | 14.0 | 4 3 |
| SU | 1615 | 5.3 | 1 6 | MO | 1740 | 3.8 | 1 2 |
| DI | 2210 | 10.4 | 3 2 | LU | 2240 | 11.3 | 3 4 |
| 2 | 0415 | 4.5 | 1 4 | 17 | 0520 | 4.3 | 1 3 |
| | 1035 | 12.0 | 3 7 | | 1105 | 14.2 | 4 3 |
| MO | 1735 | 5.2 | 1 6 | TU | 1905 | 3.4 | 1 0 |
| LU | 2320 | 10.3 | 3 1 | MA | 2350 | 11.2 | 3 4 |
| 3 | 0510 | 4.5 | 1 4 | 18 | 0640 | 4.3 | 1 3 |
| | 1135 | 12.7 | 3 9 | | 1210 | 14.6 | 4 5 |
| TU | 1900 | 4.8 | 1 5 | WE | 2010 | 2.8 | 9 |
| MA | | | | ME | | | |
| 4 | 0015 | 10.5 | 3 2 | 19 | 0050 | 11.5 | 3 5 |
| | 0615 | 4.4 | 1 3 | | 0745 | 3.9 | 1 2 |
| WE | 1220 | 13.6 | 4 1 | TH | 1305 | 15.2 | 4 6 |
| ME | 2000 | 4.0 | 1 2 | JE | 2105 | 2.2 | 7 |
| 5 | 0105 | 11.0 | 3 4 | 20 | 0145 | 12.0 | 3 7 |
| | 0720 | 4.0 | 1 2 | | 0840 | 3.3 | 1 0 |
| TH | 1305 | 14.7 | 4 5 | FR | 1355 | 15.7 | 4 8 |
| JE | 2050 | 3.1 | 9 | VE | 2150 | 1.8 | 5 |
| 6 | 0150 | 11.8 | 3 5 | 21 | 0230 | 12.8 | 3 8 |
| | 0815 | 3.4 | 1 0 | | 0925 | 2.8 | 9 |
| FR | 1350 | 15.7 | 4 8 | SA | 1440 | 16.0 | 4 9 |
| VE | 2135 | 2.3 | 7 | SA | 2225 | 1.6 | 5 |
| 7 | 0230 | 12.3 | 3 7 | 22 | 0315 | 13.1 | 4 0 |
| | 0910 | 2.8 | 9 | | 1005 | 2.5 | 8 |
| SA | 1435 | 16.7 | 5 1 | SU | 1525 | 16.2 | 4 9 |
| SA | 2220 | 1.6 | 5 | DI | 2300 | 1.7 | 5 |
| 8 | 0310 | 13.1 | 4 0 | 23 | 0355 | 13.5 | 4 1 |
| | 1000 | 2.2 | 7 | | 1045 | 2.3 | 7 |
| SU | 1520 | 17.4 | 5 3 | MO | 1605 | 16.9 | 4 9 |
| DI | 2300 | 1.2 | 4 | LU | 2330 | 1.9 | 6 |
| 9 | 0355 | 13.8 | 4 2 | 24 | 0435 | 13.7 | 4 2 |
| | 1045 | 1.8 | 5 | | 1120 | 2.3 | 7 |
| MO | 1605 | 17.7 | 5 4 | TU | 1645 | 15.7 | 4 8 |
| LU | 2340 | 1.0 | 3 | MA | 2355 | 2.1 | 6 |
| 10 | 0435 | 14.3 | 4 4 | 25 | 0510 | 13.7 | 4 2 |
| | 1130 | 1.6 | 5 | | 1155 | 2.5 | 8 |
| TU | 1650 | 17.6 | 5 4 | WE | 1720 | 15.0 | 4 6 |
| MA | | | | ME | | | |
| 11 | 0020 | 1.1 | 3 | 26 | 0025 | 2.4 | 7 |
| | 0520 | 14.7 | 4 5 | | 0545 | 13.6 | 4 1 |
| WE | 1220 | 1.6 | 5 | TH | 1230 | 2.9 | 9 |
| ME | 1735 | 17.0 | 5 2 | JE | 1800 | 14.2 | 4 3 |
| 12 | 0100 | 1.4 | 4 | 27 | 0050 | 2.7 | 8 |
| | 0605 | 14.8 | 4 5 | | 0620 | 13.3 | 4 1 |
| TH | 1310 | 1.9 | 6 | FR | 1305 | 3.4 | 1 0 |
| JE | 1825 | 16.0 | 4 9 | VE | 1835 | 13.2 | 4 0 |
| 13 | 0140 | 2.0 | 6 | 28 | 0120 | 3.1 | 9 |
| | 0655 | 14.7 | 4 5 | | 0655 | 13.0 | 4 0 |
| FR | 1400 | 2.4 | 7 | SA | 1345 | 4.0 | 1 2 |
| VE | 1920 | 14.6 | 4 5 | SA | 1915 | 12.2 | 3 7 |
| 14 | 0225 | 2.6 | 8 | 29 | 0155 | 3.6 | 1 1 |
| | 0750 | 14.5 | 4 4 | | 0735 | 12.6 | 3 8 |
| SA | 1500 | 3.0 | 9 | SU | 1425 | 4.7 | 1 4 |
| SA | 2020 | 13.2 | 4 0 | DI | 1955 | 11.1 | 3 4 |
| 15 | 0315 | 3.3 | 1 0 | 30 | 0235 | 4.1 | 1 2 |
| | 0850 | 14.2 | 4 3 | | 0820 | 12.3 | 3 7 |
| SU | 1615 | 3.6 | 1 1 | MO | 1520 | 5.2 | 1 6 |
| DI | 2125 | 12.0 | 3 7 | LU | 2055 | 10.1 | 3 1 |
| | | | | 31 | 0320 | 4.5 | 1 4 |
| | | | | | 0920 | 12.2 | 3 7 |
| | | | | TU | 1640 | 5.6 | 1 7 |
| | | | | MA | 2215 | 9.5 | 2 9 |

### FEBRUARY FEVRIER

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0415 | 4.8 | 1 5 | 16 | 0625 | 4.8 | 1 5 |
| | 1030 | 12.4 | 3 8 | | 1150 | 13.5 | 4 1 |
| WE | 1825 | 5.3 | 1 6 | TH | 2000 | 3.2 | 1 0 |
| ME | 2335 | 9.6 | 2 9 | JE | | | |
| 2 | 0530 | 4.8 | 1 5 | 17 | 0040 | 10.9 | 3 3 |
| | 1140 | 13.2 | 4 0 | | 0740 | 4.2 | 1 3 |
| TH | 1940 | 4.3 | 1 3 | FR | 1250 | 14.0 | 4 3 |
| JE | | | | VE | 2050 | 2.6 | 8 |
| 3 | 0035 | 10.3 | 3 1 | 18 | 0130 | 11.7 | 3 6 |
| | 0655 | 4.3 | 1 3 | | 0830 | 3.5 | 1 1 |
| FR | 1240 | 14.2 | 4 3 | SA | 1340 | 14.6 | 4 5 |
| VE | 2035 | 3.2 | 1 0 | SA | 2130 | 2.2 | 7 |
| 4 | 0125 | 11.3 | 3 4 | 19 | 0215 | 12.5 | 3 8 |
| | 0800 | 3.4 | 1 0 | | 0915 | 2.8 | 9 |
| SA | 1330 | 15.5 | 4 7 | SU | 1425 | 15.1 | 4 6 |
| SA | 2115 | 2.2 | 7 | DI | 2205 | 2.0 | 6 |
| 5 | 0210 | 12.5 | 3 8 | 20 | 0255 | 13.3 | 4 1 |
| | 0855 | 2.4 | 7 | | 0950 | 2.3 | 7 |
| SU | 1415 | 16.6 | 5 1 | MO | 1505 | 15.4 | 4 7 |
| DI | 2155 | 1.3 | 4 | LU | 2230 | 1.9 | 6 |
| 6 | 0250 | 13.8 | 4 2 | 21 | 0335 | 13.9 | 4 2 |
| | 0945 | 1.4 | 4 | | 1025 | 2.0 | 6 |
| MO | 1505 | 17.4 | 5 3 | TU | 1545 | 15.5 | 4 7 |
| LU | 2235 | .7 | 2 | MA | 2255 | 1.9 | 6 |
| 7 | 0335 | 15.0 | 4 6 | 22 | 0405 | 14.4 | 4 4 |
| | 1030 | .7 | 2 | | 1100 | 1.9 | 6 |
| TU | 1550 | 17.9 | 5 5 | WE | 1620 | 15.3 | 4 7 |
| MA | 2315 | .4 | 1 | ME | 2320 | 2.0 | 6 |
| 8 | 0415 | 15.9 | 4 8 | 23 | 0440 | 14.6 | 4 5 |
| | 1120 | .3 | 1 | | 1130 | 2.0 | 6 |
| WE | 1635 | 17.8 | 5 4 | TH | 1655 | 14.8 | 4 5 |
| ME | 2350 | .4 | 1 | JE | 2345 | 2.1 | 6 |
| 9 | 0500 | 16.4 | 5 0 | 24 | 0510 | 14.6 | 4 5 |
| | 1205 | .4 | 1 | | 1200 | 2.4 | 7 |
| TH | 1720 | 17.1 | 5 2 | FR | 1730 | 14.1 | 4 3 |
| JE | | | | VE | | | |
| 10 | 0030 | .8 | 2 | 25 | 0010 | 2.4 | 7 |
| | 0545 | 16.5 | 5 0 | | 0540 | 14.4 | 4 4 |
| FR | 1250 | .9 | 3 | SA | 1235 | 3.0 | 9 |
| VE | 1810 | 16.0 | 4 9 | SA | 1800 | 13.2 | 4 0 |
| 11 | 0110 | 1.5 | 5 | 26 | 0040 | 2.8 | 9 |
| | 0630 | 16.2 | 4 9 | | 0615 | 14.1 | 4 3 |
| SA | 1340 | 1.7 | 5 | SU | 1310 | 3.6 | 1 1 |
| SA | 1900 | 14.5 | 4 4 | DI | 1835 | 12.2 | 3 7 |
| 12 | 0150 | 2.4 | 7 | 27 | 0115 | 3.4 | 1 0 |
| | 0720 | 15.5 | 4 7 | | 0650 | 13.7 | 4 2 |
| SU | 1440 | 2.7 | 8 | MO | 1350 | 4.4 | 1 3 |
| DI | 1955 | 12.8 | 3 9 | LU | 1915 | 11.1 | 3 4 |
| 13 | 0235 | 3.3 | 1 0 | 28 | 0150 | 4.1 | 1 2 |
| | 0820 | 14.6 | 4 5 | | 0735 | 13.2 | 4 0 |
| MO | 1550 | 3.7 | 1 1 | TU | 1440 | 5.1 | 1 6 |
| LU | 2100 | 11.3 | 3 4 | MA | 2005 | 10.0 | 3 0 |
| 14 | 0330 | 4.2 | 1 3 | | | | |
| | 0925 | 13.8 | 4 2 | | | | |
| TU | 1730 | 4.2 | 1 3 | | | | |
| MA | 2220 | 10.4 | 3 2 | | | | |
| 15 | 0450 | 4.8 | 1 5 | | | | |
| | 1040 | 13.4 | 4 1 | | | | |
| WE | 1855 | 3.9 | 1 2 | | | | |
| ME | 2335 | 10.4 | 3 2 | | | | |

### MARCH MARS

| Day | Time | Ht ft | Ht m | Jour | Heure | H pi | H m |
|---|---|---|---|---|---|---|---|
| 1 | 0240 | 4.7 | 1 4 | 16 | 0435 | 5.2 | 1 6 |
| | 0830 | 12.7 | 3 9 | | 1015 | 12.6 | 3 8 |
| WE | 1600 | 5.6 | 1 7 | TH | 1835 | 4.2 | 1 3 |
| ME | 2120 | 9.3 | 2 8 | JE | 2325 | 10.2 | 3 1 |
| 2 | 0340 | 5.1 | 1 6 | 17 | 0610 | 5.0 | 1 5 |
| | 0945 | 12.5 | 3 8 | | 1135 | 12.7 | 3 9 |
| TH | 1755 | 5.4 | 1 6 | FR | 1940 | 3.6 | 1 1 |
| JE | 2250 | 9.3 | 2 8 | VE | | | |
| 3 | 0505 | 5.1 | 1 6 | 18 | 0025 | 11.6 | 3 4 |
| | 1105 | 12.9 | 3 9 | | 0720 | 4.3 | 1 3 |
| FR | 1915 | 4.4 | 1 3 | SA | 1235 | 13.1 | 4 0 |
| VE | | | | SA | 2025 | 3.1 | 9 |
| 4 | 0005 | 10.2 | 3 1 | 19 | 0115 | 11.8 | 3 6 |
| | 0635 | 4.4 | 1 3 | | 0815 | 3.5 | 1 1 |
| SA | 1210 | 13.9 | 4 2 | SU | 1325 | 13.7 | 4 2 |
| SA | 2005 | 3.3 | 1 0 | DI | 2100 | 2.8 | 9 |
| 5 | 0100 | 11.7 | 3 6 | 20 | 0155 | 12.9 | 3 9 |
| | 0745 | 3.2 | 1 0 | | 0855 | 2.8 | 9 |
| SU | 1310 | 15.1 | 4 6 | MO | 1410 | 14.3 | 4 4 |
| DI | 2050 | 2.2 | 7 | LU | 2130 | 2.5 | 8 |
| 6 | 0145 | 13.3 | 4 1 | 21 | 0230 | 13.7 | 4 2 |
| | 0840 | 1.9 | 6 | | 0930 | 2.3 | 7 |
| MO | 1400 | 16.3 | 5 0 | TU | 1445 | 14.6 | 4 5 |
| LU | 2125 | 1.2 | 4 | MA | 2155 | 2.3 | 7 |
| 7 | 0230 | 14.9 | 4 5 | 22 | 0305 | 14.5 | 4 4 |
| | 0930 | .7 | 2 | | 1005 | 1.9 | 6 |
| TU | 1445 | 17.2 | 5 2 | WE | 1520 | 14.8 | 4 5 |
| MA | 2205 | .6 | 2 | ME | 2215 | 2.2 | 7 |
| 8 | 0310 | 16.3 | 5 0 | 23 | 0335 | 15.0 | 4 6 |
| | 1015 | −.1 | 0 | | 1035 | 1.8 | 5 |
| WE | 1530 | 17.6 | 5 4 | TH | 1555 | 14.7 | 4 5 |
| ME | 2245 | .3 | 1 | JE | 2240 | 2.1 | 6 |
| 9 | 0355 | 17.4 | 5 3 | 24 | 0405 | 15.3 | 4 7 |
| | 1100 | −.4 | − 1 | | 1105 | 1.9 | 6 |
| TH | 1615 | 17.5 | 5 3 | FR | 1630 | 14.3 | 4 4 |
| JE | 2320 | .3 | 1 | VE | 2310 | 2.2 | 7 |
| 10 | 0435 | 17.9 | 5 5 | 25 | 0435 | 15.4 | 4 7 |
| | 1145 | −.2 | − 1 | | 1140 | 2.3 | 7 |
| FR | 1700 | 16.7 | 5 1 | SA | 1700 | 13.7 | 4 2 |
| VE | | | | SA | 2335 | 2.5 | 8 |
| 11 | 0000 | .8 | 2 | 26 | 0510 | 15.3 | 4 7 |
| | 0520 | 17.8 | 5 4 | | 1215 | 2.8 | 9 |
| SA | 1235 | .4 | 1 | SU | 1735 | 13.0 | 4 0 |
| SA | 1750 | 15.5 | 4 7 | DI | | | |
| 12 | 0040 | 1.5 | 5 | 27 | 0010 | 3.0 | 9 |
| | 0605 | 17.1 | 5 2 | | 0540 | 15.1 | 4 6 |
| SU | 1325 | 1.5 | 5 | MO | 1250 | 3.5 | 1 1 |
| DI | 1835 | 14.0 | 4 3 | LU | 1810 | 12.0 | 3 7 |
| 13 | 0120 | 2.5 | 8 | 28 | 0045 | 3.6 | 1 1 |
| | 0655 | 16.0 | 4 9 | | 0620 | 14.6 | 4 5 |
| MO | 1420 | 2.7 | 8 | TU | 1335 | 4.2 | 1 3 |
| LU | 1930 | 12.3 | 3 7 | MA | 1850 | 11.1 | 3 4 |
| 14 | 0210 | 3.6 | 1 1 | 29 | 0125 | 4.3 | 1 3 |
| | 0750 | 14.6 | 4 5 | | 0705 | 14.0 | 4 3 |
| TU | 1535 | 3.9 | 1 2 | WE | 1430 | 4.9 | 1 5 |
| MA | 2035 | 10.8 | 3 3 | ME | 1940 | 10.2 | 3 1 |
| 15 | 0310 | 4.6 | 1 4 | 30 | 0215 | 4.9 | 1 5 |
| | 0855 | 13.4 | 4 1 | | 0800 | 13.3 | 4 1 |
| WE | 1710 | 4.4 | 1 3 | TH | 1545 | 5.3 | 1 6 |
| ME | 2200 | 10.1 | 3 1 | JE | 2050 | 9.6 | 2 9 |
| | | | | 31 | 0325 | 5.2 | 1 6 |
| | | | | | 0910 | 12.8 | 3 9 |
| | | | | FR | 1715 | 5.1 | 1 6 |
| | | | | VE | 2215 | 9.8 | 3 0 |

## TABLE DES MARÉES

# CHICOUTIMI (ZONE 2 - 5)

1989

### APRIL AVRIL

| Day | Time | Ht ft | Ht m | Jour | Height | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0450 | 5.0 | 1.5 | 16 | 0000 | 11.4 | 3.5 |
| | 1030 | 13.0 | 4.0 | | 0650 | 4.6 | 1.4 |
| SA | 1830 | 4.3 | 1.3 | SU | 1215 | 12.5 | 3.8 |
| SA | 2330 | 10.9 | 3.3 | DI | 1940 | 3.9 | 1.2 |
| 2 | 0615 | 4.2 | 1.3 | 17 | 0050 | 12.4 | 3.8 |
| | 1145 | 13.7 | 4.2 | | 0745 | 3.9 | 1.2 |
| SU | 1925 | 3.4 | 1.0 | MO | 1300 | 13.0 | 4.0 |
| DI | | | | LU | 2015 | 3.6 | 1.1 |
| 3 | 0030 | 12.6 | 3.8 | 18 | 0125 | 13.3 | 4.1 |
| | 0725 | 2.9 | .9 | | 0825 | 3.2 | 1.0 |
| MO | 1245 | 14.8 | 4.5 | TU | 1340 | 13.5 | 4.1 |
| LU | 2010 | 2.4 | .7 | MA | 2040 | 3.3 | 1.0 |
| 4 | 0115 | 14.4 | 4.4 | 19 | 0200 | 14.1 | 4.3 |
| | 0820 | 1.6 | .5 | | 0905 | 2.7 | .8 |
| TU | 1335 | 15.8 | 4.8 | WE | 1420 | 13.8 | 4.2 |
| MA | 2050 | 1.5 | .5 | ME | 2105 | 2.9 | .9 |
| 5 | 0200 | 16.1 | 4.9 | 20 | 0235 | 14.8 | 4.5 |
| | 0910 | .5 | .2 | | 0935 | 2.3 | .7 |
| WE | 1425 | 16.6 | 5.1 | TH | 1455 | 14.0 | 4.3 |
| ME | 2130 | .9 | .3 | JE | 2135 | 2.7 | .8 |
| 6 | 0245 | 17.5 | 5.3 | 21 | 0305 | 15.4 | 4.7 |
| | 1000 | −.2 | −.1 | | 1010 | 2.2 | .7 |
| TH | 1510 | 16.9 | 5.2 | FR | 1530 | 13.9 | 4.2 |
| JE | 2210 | .7 | .2 | VE | 2205 | 2.6 | .8 |
| 7 | 0330 | 18.4 | 5.6 | 22 | 0335 | 15.8 | 4.8 |
| | 1045 | −.4 | −.1 | | 1045 | 2.2 | .7 |
| FR | 1555 | 16.7 | 5.1 | SA | 1600 | 13.6 | 4.1 |
| VE | 2250 | .8 | .2 | SA | 2235 | 2.7 | .8 |
| 8 | 0415 | 16.7 | 5.7 | 23 | 0405 | 16.0 | 4.9 |
| | 1135 | −.1 | 0 | | 1125 | 2.4 | .7 |
| SA | 1640 | 15.9 | 4.8 | SU | 1635 | 13.2 | 4.0 |
| SA | 2330 | 1.2 | .4 | DI | 2310 | 2.9 | .9 |
| 9 | 0455 | 16.3 | 5.6 | 24 | 0440 | 16.1 | 4.9 |
| | 1220 | .6 | .2 | | 1200 | 2.9 | .9 |
| SU | 1730 | 14.8 | 4.5 | MO | 1710 | 12.6 | 3.8 |
| DI | | | | LU | 2345 | 3.4 | 1.0 |
| 10 | 0015 | 1.9 | .6 | 25 | 0520 | 15.8 | 4.8 |
| | 0545 | 17.4 | 5.3 | | 1245 | 3.4 | 1.0 |
| MO | 1310 | 1.7 | .5 | TU | 1750 | 12.0 | 3.7 |
| LU | 1820 | 13.4 | 4.1 | MA | | | |
| 11 | 0100 | 2.9 | .9 | 26 | 0030 | 3.9 | 1.2 |
| | 0635 | 16.1 | 4.9 | | 0600 | 15.4 | 4.7 |
| TU | 1410 | 2.8 | .9 | WE | 1330 | 4.0 | 1.2 |
| MA | 1915 | 12.0 | 3.7 | ME | 1830 | 11.3 | 3.4 |
| 12 | 0150 | 3.9 | 1.2 | 27 | 0115 | 4.4 | 1.3 |
| | 0725 | 14.5 | 4.4 | | 0645 | 14.7 | 4.5 |
| WE | 1515 | 3.9 | 1.2 | TH | 1425 | 4.4 | 1.3 |
| ME | 2020 | 10.9 | 3.3 | JE | 1925 | 10.8 | 3.3 |
| 13 | 0255 | 4.7 | 1.4 | 28 | 0210 | 4.8 | 1.5 |
| | 0830 | 13.1 | 4.0 | | 0740 | 13.9 | 4.2 |
| TH | 1635 | 4.5 | 1.4 | FR | 1525 | 4.7 | 1.4 |
| JE | 2140 | 10.3 | 3.1 | VE | 2030 | 10.6 | 3.2 |
| 14 | 0410 | 5.2 | 1.6 | 29 | 0315 | 5.0 | 1.5 |
| | 0950 | 12.3 | 3.7 | | 0850 | 13.3 | 4.1 |
| FR | 1755 | 4.5 | 1.4 | SA | 1035 | 4.6 | 1.4 |
| VE | 2300 | 10.6 | 3.2 | SA | 2145 | 11.0 | 3.4 |
| 15 | 0540 | 5.2 | 1.6 | 30 | 0435 | 4.7 | 1.4 |
| | 1110 | 12.2 | 3.7 | | 1005 | 13.2 | 4.0 |
| SA | 1855 | 4.2 | 1.3 | SU | 1740 | 4.2 | 1.3 |
| SA | | | | DI | 2255 | 12.1 | 3.7 |

### MAY MAI

| Day | Time | Ht ft | Ht m | Jour | Height | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0550 | 3.9 | 1.2 | 16 | 0010 | 12.6 | 3.8 |
| | 1115 | 13.6 | 4.1 | | 0700 | 4.5 | 1.4 |
| MO | 1840 | 3.5 | 1.1 | TU | 1230 | 12.3 | 3.7 |
| LU | 2355 | 13.7 | 4.2 | MA | 1905 | 4.4 | 1.3 |
| 2 | 0700 | 2.9 | .9 | 17 | 0050 | 13.4 | 4.1 |
| | 1220 | 14.3 | 4.4 | | 0750 | 4.0 | 1.2 |
| TU | 1930 | 2.8 | .9 | WE | 1310 | 12.6 | 3.8 |
| MA | | | | ME | 1940 | 4.0 | 1.2 |
| 3 | 0045 | 15.4 | 4.7 | 18 | 0125 | 14.2 | 4.3 |
| | 0800 | 1.8 | .5 | | 0835 | 3.4 | 1.0 |
| WE | 1315 | 15.0 | 4.6 | TH | 1350 | 12.9 | 3.9 |
| ME | 2015 | 2.2 | .7 | JE | 2015 | 3.6 | 1.1 |
| 4 | 0135 | 16.9 | 5.2 | 19 | 0200 | 14.9 | 4.5 |
| | 0855 | .9 | .3 | | 0915 | 3.0 | .9 |
| TH | 1405 | 15.5 | 4.7 | FR | 1425 | 13.0 | 4.0 |
| JE | 2100 | 1.7 | .5 | VE | 2055 | 3.3 | 1.0 |
| 5 | 0220 | 18.1 | 5.5 | 20 | 0230 | 15.6 | 4.8 |
| | 0945 | .3 | .1 | | 0955 | 2.7 | .8 |
| FR | 1450 | 15.7 | 4.8 | SA | 1500 | 13.1 | 4.0 |
| VE | 2145 | 1.5 | .5 | SA | 2130 | 3.2 | 1.0 |
| 6 | 0305 | 18.7 | 5.7 | 21 | 0305 | 16.1 | 4.9 |
| | 1035 | .2 | .1 | | 1035 | 2.5 | .8 |
| SA | 1535 | 15.5 | 4.7 | SU | 1535 | 13.0 | 4.0 |
| SA | 2225 | 1.6 | .5 | DI | 2210 | 3.1 | .9 |
| 7 | 0350 | 18.8 | 5.7 | 22 | 0340 | 16.5 | 5.0 |
| | 1125 | .5 | .2 | | 1115 | 2.6 | .8 |
| SU | 1625 | 15.0 | 4.6 | MO | 1615 | 12.8 | 3.9 |
| DI | 2310 | 1.9 | .6 | LU | 2250 | 3.3 | 1.0 |
| 8 | 0435 | 18.3 | 5.6 | 23 | 0420 | 16.6 | 5.1 |
| | 1210 | 1.1 | .3 | | 1155 | 2.7 | .8 |
| MO | 1710 | 14.2 | 4.3 | TU | 1650 | 12.6 | 3.8 |
| LU | 2355 | 2.5 | .8 | MA | 2335 | 3.5 | 1.1 |
| 9 | 0525 | 17.3 | 5.3 | 24 | 0500 | 16.5 | 5.0 |
| | 1300 | 2.0 | .6 | | 1240 | 3.0 | .9 |
| TU | 1800 | 13.2 | 4.0 | WE | 1730 | 12.4 | 3.8 |
| MA | | | | ME | | | |
| 10 | 0045 | 3.2 | 1.0 | 25 | 0020 | 3.8 | 1.2 |
| | 0610 | 16.0 | 4.9 | | 0545 | 16.1 | 4.9 |
| WE | 1355 | 2.9 | .9 | TH | 1325 | 3.4 | 1.0 |
| ME | 1855 | 12.2 | 3.7 | JE | 1820 | 12.1 | 3.7 |
| 11 | 0135 | 4.0 | 1.2 | 26 | 0110 | 4.1 | 1.2 |
| | 0705 | 14.5 | 4.4 | | 0630 | 15.4 | 4.7 |
| TH | 1445 | 3.8 | 1.2 | FR | 1410 | 3.7 | 1.1 |
| JE | 1955 | 11.4 | 3.5 | VE | 1910 | 12.0 | 3.7 |
| 12 | 0235 | 4.7 | 1.4 | 27 | 0205 | 4.3 | 1.3 |
| | 0805 | 13.2 | 4.0 | | 0725 | 14.8 | 4.5 |
| FR | 1545 | 4.4 | 1.3 | SA | 1500 | 3.9 | 1.2 |
| VE | 2105 | 11.1 | 3.4 | SA | 2005 | 12.1 | 3.7 |
| 13 | 0340 | 5.1 | 1.6 | 28 | 0305 | 4.4 | 1.3 |
| | 0920 | 12.3 | 3.7 | | 0830 | 13.9 | 4.2 |
| SA | 1645 | 4.7 | 1.4 | SU | 1555 | 4.0 | 1.2 |
| SA | 2220 | 11.3 | 3.4 | DI | 2115 | 12.6 | 3.8 |
| 14 | 0450 | 5.2 | 1.6 | 29 | 0415 | 4.2 | 1.3 |
| | 1035 | 11.9 | 3.6 | | 0940 | 13.4 | 4.1 |
| SU | 1740 | 4.8 | 1.5 | MO | 1650 | 3.9 | 1.2 |
| DI | 2325 | 11.9 | 3.6 | LU | 2220 | 13.4 | 4.1 |
| 15 | 0600 | 5.0 | 1.5 | 30 | 0530 | 3.8 | 1.2 |
| | 1135 | 12.0 | 3.7 | | 1050 | 13.3 | 4.1 |
| MO | 1830 | 4.6 | 1.4 | TU | 1750 | 3.7 | 1.1 |
| LU | | | | MA | 2325 | 14.8 | 4.5 |
| | | | | 31 | 0640 | 3.1 | .9 |
| | | | | | 1155 | 13.5 | 4.1 |
| | | | | WE | 1845 | 3.4 | 1.0 |
| | | | | ME | | | |

### JUNE JUIN

| Day | Time | Ht ft | Ht m | Jour | Height | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0020 | 15.9 | 4.8 | 16 | 0045 | 13.9 | 4.2 |
| | 0745 | 2.3 | .7 | | 0805 | 4.2 | 1.3 |
| TH | 1250 | 13.9 | 4.2 | FR | 1320 | 11.8 | 3.6 |
| JE | 1940 | 3.0 | .9 | VE | 1930 | 4.2 | 1.3 |
| 2 | 0110 | 17.0 | 5.2 | 17 | 0125 | 14.7 | 4.5 |
| | 0845 | 1.8 | .5 | | 0855 | 3.8 | 1.1 |
| FR | 1345 | 14.3 | 4.4 | SA | 1400 | 12.1 | 3.7 |
| VE | 2035 | 2.6 | .8 | SA | 2020 | 3.8 | 1.2 |
| 3 | 0200 | 17.9 | 5.5 | 18 | 0200 | 15.5 | 4.7 |
| | 0940 | 1.2 | .4 | | 0940 | 3.1 | .9 |
| SA | 1430 | 14.4 | 4.4 | SU | 1440 | 12.4 | 3.8 |
| SA | 2120 | 2.4 | .7 | DI | 2105 | 3.5 | 1.1 |
| 4 | 0245 | 18.3 | 5.6 | 19 | 0240 | 16.2 | 4.9 |
| | 1030 | 1.0 | .3 | | 1020 | 2.6 | .8 |
| SU | 1520 | 14.4 | 4.4 | MO | 1515 | 12.6 | 3.8 |
| DI | 2210 | 2.3 | .7 | LU | 2155 | 3.3 | 1.0 |
| 5 | 0335 | 18.3 | 5.6 | 20 | 0320 | 16.7 | 5.1 |
| | 1115 | 1.1 | .3 | | 1100 | 2.4 | .7 |
| MO | 1605 | 14.2 | 4.3 | TU | 1555 | 12.9 | 3.9 |
| LU | 2255 | 2.5 | .8 | MA | 2240 | 3.1 | .9 |
| 6 | 0420 | 17.8 | 5.4 | 21 | 0400 | 17.0 | 5.2 |
| | 1200 | 1.5 | .5 | | 1140 | 2.2 | .7 |
| TU | 1655 | 13.8 | 4.2 | WE | 1635 | 13.2 | 4.0 |
| MA | 2345 | 2.8 | .9 | ME | 2325 | 3.0 | .9 |
| 7 | 0505 | 17.0 | 5.2 | 22 | 0445 | 17.0 | 5.2 |
| | 1245 | 2.1 | .6 | | 1225 | 2.3 | .7 |
| WE | 1740 | 13.3 | 4.1 | TH | 1715 | 13.4 | 4.1 |
| ME | | | | JE | | | |
| 8 | 0030 | 3.2 | 1.0 | 23 | 0015 | 3.1 | .9 |
| | 0555 | 15.9 | 4.8 | | 0530 | 16.7 | 5.1 |
| TH | 1325 | 2.8 | .9 | FR | 1305 | 2.5 | .8 |
| JE | 1830 | 12.8 | 3.9 | VE | 1800 | 13.5 | 4.1 |
| 9 | 0115 | 3.8 | 1.2 | 24 | 0100 | 3.2 | 1.0 |
| | 0640 | 14.6 | 4.5 | | 0615 | 16.0 | 4.9 |
| FR | 1410 | 3.5 | 1.1 | SA | 1345 | 2.8 | .9 |
| VE | 1925 | 12.2 | 3.7 | SA | 1850 | 13.7 | 4.2 |
| 10 | 0205 | 4.4 | 1.3 | 25 | 0150 | 3.4 | 1.0 |
| | 0735 | 13.4 | 4.1 | | 0710 | 15.1 | 4.6 |
| SA | 1450 | 4.1 | 1.2 | SU | 1430 | 3.1 | .9 |
| SA | 2020 | 11.9 | 3.6 | DI | 1945 | 13.0 | 4.2 |
| 11 | 0255 | 4.9 | 1.5 | 26 | 0250 | 3.6 | 1.1 |
| | 0835 | 12.4 | 3.8 | | 0805 | 14.1 | 4.3 |
| SU | 1530 | 4.5 | 1.4 | MO | 1515 | 3.5 | 1.1 |
| DI | 2125 | 11.8 | 3.6 | LU | 2045 | 14.0 | 4.3 |
| 12 | 0350 | 5.2 | 1.6 | 27 | 0350 | 3.8 | 1.2 |
| | 0945 | 11.7 | 3.6 | | 0910 | 13.2 | 4.0 |
| MO | 1610 | 4.7 | 1.4 | TU | 1605 | 3.8 | 1.2 |
| LU | 2225 | 12.1 | 3.7 | MA | 2145 | 14.3 | 4.4 |
| 13 | 0455 | 5.3 | 1.6 | 28 | 0505 | 3.9 | 1.2 |
| | 1050 | 11.4 | 3.5 | | 1020 | 12.6 | 3.8 |
| TU | 1655 | 4.8 | 1.5 | WE | 1705 | 4.0 | 1.2 |
| MA | 2320 | 12.6 | 3.8 | ME | 2250 | 14.9 | 4.5 |
| 14 | 0605 | 5.2 | 1.6 | 29 | 0630 | 3.8 | 1.1 |
| | 1150 | 11.4 | 3.5 | | 1130 | 12.5 | 3.8 |
| WE | 1745 | 4.7 | 1.4 | TH | 1810 | 4.0 | 1.2 |
| ME | | | | JE | 2355 | 15.7 | 4.8 |
| 15 | 0005 | 13.2 | 4.0 | 30 | 0740 | 3.8 | .9 |
| | 0710 | 4.8 | 1.5 | | 1230 | 12.7 | 3.9 |
| TH | 1240 | 11.6 | 3.5 | FR | 1920 | 3.7 | 1.1 |
| JE | 1835 | 4.8 | 1.4 | VE | | | |

V3

# CHICOUTIMI (EST)



1989

## JULY-JUILLET

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0050 | 16.4 | 5.0 | 16 | 0050 | 14.3 | 4.4 |
| | 0840 | 2.3 | .7 | | 0835 | 3.0 | 1.2 |
| SA | 1325 | 13.0 | 4.0 | SU | 1335 | 11.4 | 3.5 |
| SA | 2020 | 3.3 | 1.0 | DI | 1955 | 4.1 | 1.2 |
| 2 | 0140 | 17.0 | 5.2 | 17 | 0135 | 15.2 | 4.6 |
| | 0935 | 1.8 | .5 | | 0920 | 3.1 | .9 |
| SU | 1420 | 13.4 | 4.1 | MO | 1415 | 12.0 | 3.7 |
| DI | 2110 | 2.9 | .9 | LU | 2050 | 3.5 | 1.1 |
| 3 | 0230 | 17.4 | 5.3 | 18 | 0220 | 16.1 | 4.9 |
| | 1020 | 1.5 | .5 | | 1000 | 2.4 | .7 |
| MO | 1505 | 13.7 | 4.2 | TU | 1455 | 12.8 | 3.9 |
| LU | 2200 | 2.6 | .8 | MA | 2140 | 2.8 | .9 |
| 4 | 0315 | 17.4 | 5.3 | 19 | 0300 | 16.9 | 5.2 |
| | 1105 | 1.5 | .5 | | 1040 | 1.9 | .6 |
| TU | 1550 | 13.9 | 4.2 | WE | 1535 | 13.6 | 4.1 |
| MA | 2245 | 2.5 | .8 | ME | 2225 | 2.3 | .7 |
| 5 | 0405 | 17.1 | 5.2 | 20 | 0345 | 17.3 | 5.3 |
| | 1145 | 1.8 | .5 | | 1420 | 1.6 | .5 |
| WE | 1635 | 13.9 | 4.2 | TH | 1615 | 14.3 | 4.4 |
| ME | 2330 | 2.6 | .8 | JE | 2310 | 1.9 | .6 |
| 6 | 0450 | 16.5 | 5.0 | 21 | 0430 | 17.4 | 5.3 |
| | 1220 | 2.2 | .7 | | 1155 | 1.5 | .5 |
| TH | 1720 | 13.8 | 4.2 | FR | 1655 | 14.9 | 4.5 |
| JE | | | | VE | | | |
| 7 | 0010 | 2.9 | .9 | 22 | 0000 | 1.8 | .5 |
| | 0530 | 15.7 | 4.8 | | 0515 | 17.1 | 5.2 |
| FR | 1250 | 2.7 | .8 | SA | 1235 | 1.7 | .5 |
| VE | 1805 | 13.5 | 4.1 | SA | 1740 | 15.2 | 4.6 |
| 8 | 0050 | 3.3 | 1.0 | 23 | 0045 | 2.0 | .6 |
| | 0615 | 14.7 | 4.5 | | 0600 | 16.3 | 5.0 |
| SA | 1325 | 3.2 | 1.0 | SU | 1315 | 2.0 | .6 |
| SA | 1845 | 13.1 | 4.0 | DI | 1825 | 15.3 | 4.7 |
| 9 | 0130 | 3.9 | 1.2 | 24 | 0135 | 2.4 | .7 |
| | 0700 | 13.6 | 4.1 | | 0650 | 15.2 | 4.6 |
| SU | 1355 | 3.6 | 1.1 | MO | 1355 | 2.6 | .8 |
| DI | 1930 | 12.8 | 3.9 | LU | 1915 | 15.2 | 4.6 |
| 10 | 0215 | 4.4 | 1.3 | 25 | 0230 | 3.0 | .9 |
| | 0750 | 12.5 | 3.8 | | 0745 | 13.9 | 4.2 |
| MO | 1425 | 4.0 | 1.2 | TU | 1440 | 3.2 | 1.0 |
| LU | 2020 | 12.4 | 3.8 | MA | 2015 | 14.9 | 4.5 |
| 11 | 0300 | 5.0 | 1.5 | 26 | 0330 | 3.6 | 1.1 |
| | 0840 | 11.5 | 3.5 | | 0845 | 12.6 | 3.8 |
| TU | 1505 | 4.4 | 1.3 | WE | 1530 | 3.8 | 1.2 |
| MA | 2115 | 12.3 | 3.7 | ME | 2115 | 14.6 | 4.5 |
| 12 | 0355 | 5.4 | 1.6 | 27 | 0455 | 4.0 | 1.2 |
| | 0950 | 10.7 | 3.3 | | 1000 | 11.7 | 3.6 |
| WE | 1550 | 4.6 | 1.4 | TH | 1630 | 4.3 | 1.3 |
| ME | 2215 | 12.3 | 3.7 | JE | 2225 | 14.5 | 4.4 |
| 13 | 0505 | 5.6 | 1.7 | 28 | 0620 | 3.9 | 1.2 |
| | 1100 | 10.4 | 3.2 | | 1110 | 11.3 | 3.4 |
| TH | 1640 | 4.8 | 1.5 | FR | 1750 | 4.5 | 1.4 |
| JE | 2310 | 12.7 | 3.9 | VE | 2335 | 14.8 | 4.5 |
| 14 | 0630 | 5.3 | 1.6 | 29 | 0735 | 3.3 | 1.0 |
| | 1200 | 10.5 | 3.2 | | 1220 | 11.6 | 3.5 |
| FR | 1745 | 4.8 | 1.5 | SA | 1910 | 4.2 | 1.3 |
| VE | | | | SA | | | |
| 15 | 0005 | 13.4 | 4.1 | 30 | 0035 | 15.3 | 4.7 |
| | 0740 | 4.7 | 1.4 | | 0835 | 2.6 | .8 |
| SA | 1250 | 10.8 | 3.3 | SU | 1315 | 12.2 | 3.7 |
| SA | 1850 | 4.6 | 1.4 | DI | 2015 | 3.6 | 1.1 |
| | | | | 31 | 0130 | 15.8 | 4.8 |
| | | | | | 0925 | 2.1 | .6 |
| | | | | MO | 1405 | 12.8 | 3.9 |
| | | | | LU | 2105 | 3.0 | .9 |

## AUGUST-AOUT

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0220 | 16.2 | 4.9 | 16 | 0155 | 15.9 | 4.8 |
| | 1005 | 1.8 | .5 | | 0935 | 2.0 | .6 |
| TU | 1450 | 13.5 | 4.1 | WE | 1430 | 13.5 | 4.1 |
| MA | 2150 | 2.5 | .8 | ME | 2120 | 2.0 | .6 |
| 2 | 0305 | 16.4 | 5.0 | 17 | 0240 | 16.9 | 5.2 |
| | 1045 | 1.7 | .5 | | 1010 | 1.3 | .4 |
| WE | 1535 | 14.0 | 4.3 | TH | 1510 | 14.7 | 4.5 |
| ME | 2230 | 2.2 | .7 | JE | 2210 | 1.2 | .4 |
| 3 | 0345 | 16.4 | 5.0 | 18 | 0325 | 17.4 | 5.3 |
| | 1115 | 1.9 | .6 | | 1050 | .9 | .3 |
| TH | 1615 | 14.3 | 4.4 | FR | 1550 | 15.8 | 4.8 |
| JE | 2310 | 2.2 | .7 | VE | 2255 | .7 | .2 |
| 4 | 0430 | 16.0 | 4.9 | 19 | 0410 | 17.5 | 5.3 |
| | 1145 | 2.1 | .6 | | 1125 | .8 | .2 |
| FR | 1655 | 14.4 | 4.4 | SA | 1635 | 16.5 | 5.0 |
| VE | 2345 | 2.4 | .7 | SA | 2340 | .6 | .2 |
| 5 | 0505 | 15.4 | 4.7 | 20 | 0455 | 17.1 | 5.2 |
| | 1210 | 2.4 | .7 | | 1200 | 1.1 | .3 |
| SA | 1730 | 14.3 | 4.4 | SU | 1715 | 16.8 | 5.1 |
| SA | | | | DI | | | |
| 6 | 0020 | 2.8 | .9 | 21 | 0025 | .9 | .3 |
| | 0545 | 14.5 | 4.4 | | 0540 | 16.2 | 4.9 |
| SU | 1235 | 2.8 | .9 | MO | 1240 | 1.6 | .5 |
| DI | 1805 | 14.0 | 4.3 | LU | 1800 | 16.7 | 5.1 |
| 7 | 0055 | 3.3 | 1.0 | 22 | 0115 | 1.6 | .5 |
| | 0625 | 13.5 | 4.1 | | 0630 | 14.9 | 4.5 |
| MO | 1305 | 3.2 | 1.0 | TU | 1325 | 2.3 | .7 |
| LU | 1840 | 13.6 | 4.1 | MA | 1850 | 16.1 | 4.9 |
| 8 | 0130 | 4.0 | 1.2 | 23 | 0210 | 2.5 | .8 |
| | 0705 | 12.4 | 3.8 | | 0720 | 13.3 | 4.1 |
| TU | 1340 | 3.6 | 1.1 | WE | 1410 | 3.1 | .9 |
| MA | 1920 | 13.1 | 4.0 | ME | 1945 | 15.2 | 4.6 |
| 9 | 0215 | 4.7 | 1.4 | 24 | 0315 | 3.5 | 1.1 |
| | 0745 | 11.3 | 3.4 | | 0825 | 11.8 | 3.6 |
| WE | 1415 | 4.1 | 1.2 | TH | 1505 | 4.0 | 1.2 |
| ME | 2005 | 12.6 | 3.8 | JE | 2050 | 14.3 | 4.4 |
| 10 | 0305 | 5.3 | 1.6 | 25 | 0445 | 4.1 | 1.2 |
| | 0840 | 10.2 | 3.1 | | 0940 | 10.8 | 3.3 |
| TH | 1500 | 4.6 | 1.4 | FR | 1615 | 4.6 | 1.4 |
| JE | 2100 | 12.3 | 3.7 | VE | 2200 | 13.7 | 4.2 |
| 11 | 0415 | 5.7 | 1.7 | 26 | 0615 | 3.9 | 1.2 |
| | 0955 | 9.6 | 2.9 | | 1100 | 10.6 | 3.2 |
| FR | 1555 | 5.0 | 1.5 | SA | 1750 | 4.7 | 1.4 |
| VE | 2210 | 12.3 | 3.7 | SA | 2315 | 13.7 | 4.2 |
| 12 | 0555 | 5.6 | 1.7 | 27 | 0730 | 3.3 | 1.0 |
| | 1120 | 9.6 | 2.9 | | 1210 | 11.1 | 3.4 |
| SA | 1705 | 5.0 | 1.5 | SU | 1905 | 4.2 | 1.3 |
| SA | 2320 | 12.8 | 3.9 | DI | | | |
| 13 | 0715 | 4.8 | 1.5 | 28 | 0025 | 14.1 | 4.3 |
| | 1225 | 10.2 | 3.1 | | 0825 | 2.7 | .8 |
| SU | 1825 | 4.7 | 1.4 | MO | 1305 | 11.9 | 3.6 |
| DI | | | | LU | 2010 | 3.4 | 1.0 |
| 14 | 0020 | 13.7 | 4.2 | 29 | 0115 | 14.7 | 4.5 |
| | 0810 | 3.8 | 1.2 | | 0905 | 2.2 | .7 |
| MO | 1310 | 11.1 | 3.4 | TU | 1350 | 12.8 | 3.9 |
| LU | 1935 | 3.9 | 1.2 | MA | 2055 | 2.6 | .8 |
| 15 | 0110 | 14.8 | 4.5 | 30 | 0205 | 15.2 | 4.6 |
| | 0855 | 2.9 | .9 | | 0945 | 2.0 | .6 |
| TU | 1350 | 12.2 | 3.7 | WE | 1435 | 13.7 | 4.2 |
| MA | 2030 | 2.9 | .9 | ME | 2135 | 2.1 | .6 |
| | | | | 31 | 0245 | 15.5 | 4.7 |
| | | | | | 1015 | 1.9 | .6 |
| | | | | TH | 1510 | 14.4 | 4.4 |
| | | | | JE | 2210 | 1.8 | .5 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht ft | Ht m | Jour | Heure | Ht pi | Ht m |
|---|---|---|---|---|---|---|---|
| 1 | 0325 | 15.5 | 4.7 | 16 | 0305 | 17.1 | 5.2 |
| | 1040 | 2.0 | .6 | | 1015 | .6 | .2 |
| FR | 1550 | 14.8 | 4.5 | SA | 1525 | 17.3 | 5.3 |
| VE | 2245 | 1.8 | .5 | SA | 2235 | −.1 | 0 |
| 2 | 0405 | 15.3 | 4.7 | 17 | 0350 | 17.3 | 5.2 |
| | 1105 | 2.1 | .6 | | 1050 | .8 | .2 |
| SA | 1620 | 15.0 | 4.6 | SU | 1610 | 17.9 | 5.5 |
| SA | 2315 | 2.0 | .6 | DI | 2320 | −.1 | 0 |
| 3 | 0440 | 14.8 | 4.5 | 18 | 0435 | 16.7 | 5.1 |
| | 1125 | 2.3 | .7 | | 1130 | .8 | .2 |
| SU | 1655 | 15.0 | 4.6 | MO | 1655 | 18.0 | 5.5 |
| DI | 2350 | 2.4 | .7 | LU | | | |
| 4 | 0515 | 14.1 | 4.3 | 19 | 0010 | .4 | .1 |
| | 1155 | 2.5 | .8 | | 0520 | 15.6 | 4.8 |
| MO | 1725 | 14.7 | 4.5 | TU | 1210 | 1.4 | .4 |
| LU | | | | MA | 1740 | 17.6 | 5.4 |
| 5 | 0020 | 3.0 | .9 | 20 | 0100 | 1.2 | .4 |
| | 0550 | 13.2 | 4.0 | | 0610 | 14.3 | 4.4 |
| TU | 1225 | 3.0 | .9 | WE | 1255 | 2.3 | .7 |
| MA | 1800 | 14.3 | 4.4 | ME | 1825 | 16.5 | 5.0 |
| 6 | 0100 | 3.6 | 1.1 | 21 | 0155 | 2.3 | .7 |
| | 0625 | 12.1 | 3.7 | | 0700 | 12.7 | 3.9 |
| WE | 1300 | 3.5 | 1.1 | TH | 1345 | 3.3 | 1.0 |
| ME | 1835 | 13.8 | 4.2 | JE | 1920 | 15.2 | 4.6 |
| 7 | 0140 | 4.4 | 1.3 | 22 | 0305 | 3.4 | 1.0 |
| | 0700 | 11.0 | 3.4 | | 0805 | 11.2 | 3.4 |
| TH | 1340 | 4.1 | 1.2 | FR | 1450 | 4.2 | 1.3 |
| JE | 1920 | 13.1 | 4.0 | VE | 2025 | 13.9 | 4.2 |
| 8 | 0230 | 5.1 | 1.6 | 23 | 0430 | 4.0 | 1.2 |
| | 0750 | 10.0 | 3.0 | | 0925 | 10.4 | 3.2 |
| FR | 1425 | 4.7 | 1.4 | SA | 1610 | 4.8 | 1.5 |
| VE | 2010 | 12.6 | 3.8 | SA | 2140 | 13.0 | 4.0 |
| 9 | 0345 | 5.5 | 1.7 | 24 | 0600 | 3.9 | 1.2 |
| | 0900 | 9.2 | 2.8 | | 1050 | 10.4 | 3.2 |
| SA | 1525 | 5.1 | 1.6 | SU | 1740 | 4.7 | 1.4 |
| SA | 2120 | 12.2 | 3.7 | DI | 2305 | 12.8 | 3.9 |
| 10 | 0525 | 5.4 | 1.6 | 25 | 0705 | 3.4 | 1.0 |
| | 1035 | 9.2 | 2.8 | | 1200 | 11.2 | 3.4 |
| SU | 1645 | 5.1 | 1.6 | MO | 1855 | 4.0 | 1.2 |
| DI | 2240 | 12.4 | 3.8 | LU | | | |
| 11 | 0645 | 4.7 | 1.4 | 26 | 0010 | 13.2 | 4.0 |
| | 1150 | 10.0 | 3.0 | | 0755 | 2.9 | .9 |
| MO | 1805 | 4.6 | 1.4 | TU | 1250 | 12.1 | 3.7 |
| LU | 2350 | 13.3 | 4.1 | MA | 1955 | 3.2 | 1.0 |
| 12 | 0735 | 3.7 | 1.1 | 27 | 0105 | 13.7 | 4.2 |
| | 1240 | 11.4 | 3.5 | | 0835 | 2.6 | .8 |
| TU | 1915 | 3.5 | 1.1 | WE | 1330 | 13.1 | 4.0 |
| MA | | | | ME | 2035 | 2.6 | .8 |
| 13 | 0045 | 14.5 | 4.4 | 28 | 0145 | 14.2 | 4.3 |
| | 0820 | 2.7 | .8 | | 0910 | 2.4 | .7 |
| WE | 1320 | 12.9 | 3.9 | TH | 1410 | 14.0 | 4.3 |
| ME | 2015 | 2.3 | .7 | JE | 2115 | 2.0 | .6 |
| 14 | 0135 | 15.6 | 4.8 | 29 | 0225 | 14.5 | 4.4 |
| | 0900 | 1.8 | .5 | | 0935 | 2.3 | .7 |
| TH | 1405 | 14.6 | 4.5 | FR | 1445 | 14.8 | 4.5 |
| JE | 2100 | 1.2 | .4 | VE | 2150 | 1.6 | .5 |
| 15 | 0220 | 16.6 | 5.1 | 30 | 0305 | 14.7 | 4.5 |
| | 0935 | 1.1 | .3 | | 1000 | 2.2 | .7 |
| FR | 1445 | 16.1 | 4.9 | SA | 1520 | 15.2 | 4.6 |
| VE | 2150 | .3 | .1 | SA | 2220 | 1.7 | .5 |

## TABLE DES MARÉES

# CHICOUTIMI (ZONE 2 - 5)

1989

### OCTOBER OCTOBRE

| Day | Time | Ht m | Ht ft | Day | Time | Height | Ht m | Ht ft |
|---|---|---|---|---|---|---|---|---|
| 1 | 0340 | **14.5** | 44 | 16 | 0330 | **16.4** | 5.0 | |
| | 1020 | **2.2** | 7 | | 1020 | **.7** | 2 | |
| SU | 1550 | **15.5** | 47 | MO | 1545 | **18.8** | 5.7 | |
| DI | 2250 | **1.9** | 6 | LU | 2305 | **−.2** | −1 | |
| 2 | 0415 | **14.1** | 43 | 17 | 0415 | **15.9** | 4.8 | |
| | 1045 | **2.3** | 7 | | 1105 | **1.0** | 3 | |
| MO | 1620 | **15.5** | 47 | TU | 1630 | **18.7** | 5.7 | |
| LU | 2325 | **2.3** | 7 | MA | 2355 | **.3** | 1 | |
| 3 | 0445 | **13.5** | 41 | 18 | 0500 | **14.9** | 4.5 | |
| | 1115 | **2.6** | 8 | | 1150 | **1.6** | 5 | |
| TU | 1655 | **15.3** | 47 | WE | 1715 | **17.9** | 5.5 | |
| MA | | | | ME | | | | |
| 4 | 0000 | **2.8** | 9 | 19 | 0050 | **1.2** | 4 | |
| | 0520 | **12.7** | 39 | | 0550 | **13.7** | 4.2 | |
| WE | 1150 | **3.0** | 9 | TH | 1235 | **2.5** | 8 | |
| ME | 1725 | **15.0** | 46 | JE | 1805 | **16.6** | 5.1 | |
| 5 | 0035 | **3.5** | 11 | 20 | 0145 | **2.2** | 7 | |
| | 0555 | **11.8** | 36 | | 0645 | **12.4** | 3.8 | |
| TH | 1225 | **3.6** | 11 | FR | 1330 | **3.4** | 1.0 | |
| JE | 1805 | **14.4** | 44 | VE | 1900 | **15.1** | 4.6 | |
| 6 | 0120 | **4.2** | 13 | 21 | 0250 | **3.2** | 1.0 | |
| | 0630 | **10.9** | 33 | | 0745 | **11.2** | 3.4 | |
| FR | 1310 | **4.3** | 13 | SA | 1435 | **4.2** | 1.3 | |
| VE | 1845 | **13.7** | 42 | SA | 2005 | **13.6** | 4.1 | |
| 7 | 0215 | **4.8** | 15 | 22 | 0405 | **3.8** | 1.2 | |
| | 0720 | **10.0** | 30 | | 0905 | **10.6** | 3.2 | |
| SA | 1405 | **4.9** | 15 | SU | 1550 | **4.7** | 1.4 | |
| SA | 1935 | **13.0** | 40 | DI | 2120 | **12.5** | 3.8 | |
| 8 | 0325 | **5.1** | 16 | 23 | 0520 | **4.0** | 1.2 | |
| | 0820 | **9.4** | 29 | | 1030 | **10.8** | 3.3 | |
| SU | 1510 | **5.2** | 16 | MO | 1715 | **4.7** | 1.4 | |
| DI | 2045 | **12.4** | 38 | LU | 2240 | **12.2** | 3.7 | |
| 9 | 0445 | **5.0** | 15 | 24 | 0625 | **3.8** | 1.2 | |
| | 0945 | **9.5** | 29 | | 1135 | **11.5** | 3.5 | |
| MO | 1625 | **5.0** | 15 | TU | 1830 | **4.1** | 1.2 | |
| LU | 2200 | **12.4** | 38 | MA | 2350 | **12.4** | 3.8 | |
| 10 | 0555 | **4.5** | 14 | 25 | 0715 | **3.6** | 1.1 | |
| | 1105 | **10.5** | 32 | | 1225 | **12.4** | 3.8 | |
| TU | 1745 | **4.3** | 13 | WE | 1925 | **3.5** | 1.1 | |
| MA | 2315 | **13.0** | 40 | ME | | | | |
| 11 | 0650 | **3.6** | 11 | 26 | 0040 | **12.8** | 3.9 | |
| | 1205 | **12.1** | 37 | | 0755 | **3.3** | 1.0 | |
| WE | 1855 | **3.2** | 10 | TH | 1305 | **13.4** | 4.1 | |
| ME | | | | JE | 2015 | **2.9** | 9 | |
| 12 | 0020 | **14.0** | 43 | 27 | 0125 | **13.2** | 4.0 | |
| | 0740 | **2.7** | 8 | | 0825 | **3.1** | 9 | |
| TH | 1250 | **13.9** | 42 | FR | 1340 | **14.2** | 4.3 | |
| JE | 1950 | **2.0** | 6 | VE | 2050 | **2.5** | 8 | |
| 13 | 0110 | **15.1** | 46 | 28 | 0205 | **13.5** | 4.1 | |
| | 0820 | **1.9** | 6 | | 0850 | **2.9** | 9 | |
| FR | 1335 | **15.7** | 48 | SA | 1415 | **14.9** | 4.5 | |
| VE | 2040 | **.8** | 2 | SA | 2125 | **2.2** | 7 | |
| 14 | 0200 | **15.9** | 48 | 29 | 0240 | **13.7** | 4.2 | |
| | 0900 | **1.2** | 4 | | 0915 | **2.7** | 8 | |
| SA | 1420 | **17.2** | 52 | SU | 1450 | **15.4** | 4.7 | |
| SA | 2130 | **.0** | 0 | DI | 2200 | **2.1** | 6 | |
| 15 | 0245 | **16.4** | 50 | 30 | 0315 | **13.6** | 4.1 | |
| | 0940 | **.8** | 2 | | 0945 | **2.5** | 8 | |
| SU | 1500 | **18.3** | 56 | MO | 1520 | **15.8** | 4.8 | |
| DI | 2220 | **−.3** | −1 | LU | 2235 | **2.1** | 6 | |
| | | | | 31 | 0350 | **13.3** | 4.1 | |
| | | | | | 1015 | **2.6** | 8 | |
| | | | | TU | 1550 | **15.9** | 4.8 | |
| | | | | MA | 2310 | **2.3** | 7 | |

### NOVEMBER NOVEMBRE

| Day | Time | Ht m | Ht ft | Day | Time | Height | Ht m | Ht ft |
|---|---|---|---|---|---|---|---|---|
| 1 | 0420 | **12.9** | 3.9 | 16 | 0445 | **14.4** | 4.4 | |
| | 1050 | **2.8** | 9 | | 1135 | **1.9** | 6 | |
| WE | 1625 | **15.8** | 4.8 | TH | 1700 | **17.8** | 5.4 | |
| ME | 2345 | **2.7** | 8 | JE | | | | |
| 2 | 0455 | **12.3** | 3.7 | 17 | 0040 | **1.2** | 4 | |
| | 1130 | **3.2** | 1.0 | | 0535 | **13.5** | 4.1 | |
| TH | 1700 | **15.6** | 4.8 | FR | 1225 | **2.5** | 8 | |
| | | | | VE | 1750 | **16.6** | 5.1 | |
| 3 | 0025 | **3.2** | 1.0 | 18 | 0130 | **2.1** | 6 | |
| | 0530 | **11.7** | 3.6 | | 0630 | **12.6** | 3.8 | |
| FR | 1210 | **3.7** | 1.1 | SA | 1320 | **3.3** | 1.0 | |
| VE | 1740 | **15.1** | 4.6 | SA | 1840 | **15.1** | 4.6 | |
| 4 | 0110 | **3.7** | 1.1 | 19 | 0225 | **3.0** | .9 | |
| | 0610 | **11.1** | 3.4 | | 0725 | **11.8** | 3.6 | |
| SA | 1255 | **4.3** | 1.3 | SU | 1415 | **4.0** | 1.2 | |
| SA | 1825 | **14.4** | 4.4 | DI | 1940 | **13.6** | 4.1 | |
| 5 | 0200 | **4.2** | 1.3 | 20 | 0320 | **3.7** | 1.1 | |
| | 0700 | **10.6** | 3.2 | | 0830 | **11.3** | 3.4 | |
| SU | 1350 | **4.7** | 1.4 | MO | 1520 | **4.5** | 1.4 | |
| DI | 1915 | **13.7** | 4.2 | LU | 2050 | **12.4** | 3.8 | |
| 6 | 0300 | **4.5** | 1.4 | 21 | 0420 | **4.2** | 1.3 | |
| | 0755 | **10.4** | 3.2 | | 0945 | **11.3** | 3.4 | |
| MO | 1450 | **4.9** | 1.5 | TU | 1635 | **4.7** | 1.4 | |
| LU | 2015 | **13.0** | 4.0 | MA | 2205 | **11.8** | 3.6 | |
| 7 | 0400 | **4.5** | 1.4 | 22 | 0520 | **4.4** | 1.3 | |
| | 0910 | **10.7** | 3.3 | | 1055 | **11.8** | 3.6 | |
| TU | 1600 | **4.7** | 1.4 | WE | 1745 | **4.6** | 1.4 | |
| MA | 2130 | **12.6** | 3.8 | ME | 2315 | **11.7** | 3.6 | |
| 8 | 0500 | **4.2** | 1.3 | 23 | 0610 | **4.4** | 1.3 | |
| | 1020 | **11.6** | 3.5 | | 1150 | **12.5** | 3.8 | |
| WE | 1715 | **4.1** | 1.2 | TH | 1850 | **4.2** | 1.3 | |
| ME | 2245 | **12.8** | 3.9 | JE | | | | |
| 9 | 0600 | **3.6** | 1.1 | 24 | 0010 | **11.9** | 3.6 | |
| | 1125 | **13.0** | 4.0 | | 0650 | **4.2** | 1.3 | |
| TH | 1830 | **3.2** | 1.0 | FR | 1230 | **13.3** | 4.1 | |
| JE | 2350 | **13.5** | 4.1 | VE | 1945 | **3.7** | 1.1 | |
| 10 | 0650 | **3.0** | .9 | 25 | 0055 | **12.1** | 3.7 | |
| | 1220 | **14.7** | 4.5 | | 0725 | **3.9** | 1.2 | |
| FR | 1930 | **2.1** | .6 | SA | 1310 | **14.0** | 4.3 | |
| VE | | | | SA | 2025 | **3.3** | 1.0 | |
| 11 | 0045 | **14.2** | 4.3 | 26 | 0135 | **12.4** | 3.8 | |
| | 0740 | **2.3** | .7 | | 0800 | **3.5** | 1.1 | |
| SA | 1305 | **16.3** | 5.0 | SU | 1345 | **14.7** | 4.5 | |
| SA | 2025 | **1.1** | .3 | DI | 2105 | **2.8** | .9 | |
| 12 | 0135 | **14.9** | 4.5 | 27 | 0215 | **12.6** | 3.8 | |
| | 0825 | **1.7** | .5 | | 0835 | **3.2** | 1.0 | |
| SU | 1355 | **17.7** | 5.4 | MO | 1420 | **15.3** | 4.7 | |
| DI | 2120 | **.4** | .1 | LU | 2140 | **2.5** | .8 | |
| 13 | 0225 | **15.2** | 4.6 | 28 | 0250 | **12.7** | 3.9 | |
| | 0910 | **1.4** | .4 | | 0915 | **3.0** | .9 | |
| MO | 1440 | **18.6** | 5.7 | TU | 1455 | **15.8** | 4.8 | |
| LU | 2210 | **.0** | 0 | MA | 2220 | **2.4** | .7 | |
| 14 | 0310 | **15.3** | 4.7 | 29 | 0325 | **12.6** | 3.8 | |
| | 1000 | **1.2** | .4 | | 0955 | **2.9** | .9 | |
| TU | 1525 | **18.9** | 5.8 | WE | 1525 | **16.1** | 4.9 | |
| MA | 2300 | **.1** | 0 | ME | 2300 | **2.3** | .7 | |
| 15 | 0400 | **15.0** | 4.6 | 30 | 0400 | **12.5** | 3.8 | |
| | 1045 | **1.4** | .4 | | 1035 | **2.9** | .9 | |
| WE | 1610 | **18.7** | 5.7 | TH | 1605 | **16.2** | 4.9 | |
| ME | 2345 | **.5** | .2 | JE | 2335 | **2.4** | .7 | |

### DECEMBER DECEMBRE

| Day | Time | Ht m | Ht ft | Day | Time | Height | Ht m | Ht ft |
|---|---|---|---|---|---|---|---|---|
| 1 | 0435 | **12.4** | 3.8 | 16 | 0020 | **1.2** | .4 | |
| | 1115 | **3.1** | .9 | | 0520 | **13.8** | 4.2 | |
| FR | 1640 | **16.1** | 4.9 | SA | 1210 | **2.3** | .7 | |
| VE | | | | SA | 1730 | **16.4** | 5.0 | |
| 2 | 0015 | **2.7** | .8 | 17 | 0105 | **1.9** | .6 | |
| | 0515 | **12.2** | 3.7 | | 0605 | **13.3** | 4.1 | |
| SA | 1200 | **3.4** | 1.0 | SU | 1300 | **2.8** | .9 | |
| SA | 1720 | **15.8** | 4.8 | DI | 1820 | **15.1** | 4.6 | |
| 3 | 0100 | **3.0** | .9 | 18 | 0145 | **2.7** | .8 | |
| | 0555 | **12.0** | 3.7 | | 0655 | **12.8** | 3.9 | |
| SU | 1245 | **3.8** | 1.2 | MO | 1350 | **3.5** | 1.1 | |
| DI | 1805 | **15.2** | 4.6 | LU | 1910 | **13.8** | 4.2 | |
| 4 | 0140 | **3.3** | 1.0 | 19 | 0235 | **3.4** | 1.0 | |
| | 0640 | **11.9** | 3.6 | | 0750 | **12.3** | 3.7 | |
| MO | 1335 | **4.0** | 1.2 | TU | 1440 | **4.2** | 1.3 | |
| LU | 1855 | **14.4** | 4.4 | MA | 2010 | **12.5** | 3.8 | |
| 5 | 0225 | **3.6** | 1.1 | 20 | 0305 | **4.0** | 1.2 | |
| | 0735 | **12.0** | 3.7 | | 0850 | **11.9** | 3.6 | |
| TU | 1430 | **4.2** | 1.3 | WE | 1535 | **4.8** | 1.5 | |
| ME | 1950 | **13.6** | 4.1 | ME | 2115 | **11.5** | 3.5 | |
| 6 | 0315 | **3.8** | 1.2 | 21 | 0350 | **4.5** | 1.4 | |
| | 0835 | **12.2** | 3.7 | | 0955 | **11.9** | 3.6 | |
| WE | 1535 | **4.2** | 1.3 | TH | 1640 | **5.1** | 1.6 | |
| ME | 2055 | **12.9** | 3.9 | JE | 2225 | **10.9** | 3.3 | |
| 7 | 0405 | **3.9** | 1.2 | 22 | 0435 | **4.7** | 1.4 | |
| | 0940 | **12.8** | 3.9 | | 1100 | **12.2** | 3.7 | |
| TH | 1645 | **4.0** | 1.2 | FR | 1800 | **5.1** | 1.6 | |
| JE | 2210 | **12.5** | 3.8 | VE | 2330 | **10.8** | 3.3 | |
| 8 | 0505 | **3.7** | 1.1 | 23 | 0525 | **4.7** | 1.4 | |
| | 1045 | **13.9** | 4.2 | | 1150 | **12.7** | 3.9 | |
| FR | 1805 | **3.4** | 1.0 | SA | 1910 | **4.7** | 1.4 | |
| VE | 2320 | **12.6** | 3.8 | SA | | | | |
| 9 | 0605 | **3.4** | 1.0 | 24 | 0025 | **11.0** | 3.4 | |
| | 1145 | **15.1** | 4.6 | | 0620 | **4.5** | 1.4 | |
| SA | 1915 | **2.6** | .8 | SU | 1235 | **13.4** | 4.1 | |
| SA | | | | DI | 2005 | **4.1** | 1.2 | |
| 10 | 0020 | **13.1** | 4.0 | 25 | 0110 | **11.2** | 3.4 | |
| | 0705 | **3.0** | .9 | | 0715 | **4.2** | 1.3 | |
| SU | 1240 | **16.4** | 5.0 | MO | 1315 | **14.1** | 4.3 | |
| DI | 2020 | **1.8** | .5 | LU | 2050 | **3.5** | 1.1 | |
| 11 | 0115 | **13.6** | 4.1 | 26 | 0155 | **11.5** | 3.5 | |
| | 0805 | **2.5** | .8 | | 0805 | **3.7** | 1.1 | |
| MO | 1330 | **17.4** | 5.3 | TU | 1355 | **14.8** | 4.5 | |
| LU | 2115 | **1.0** | .3 | MA | 2130 | **2.9** | .9 | |
| 12 | 0205 | **14.0** | 4.3 | 27 | 0230 | **11.9** | 3.6 | |
| | 0855 | **2.0** | .6 | | 0855 | **3.3** | 1.0 | |
| TU | 1420 | **18.1** | 5.5 | WE | 1430 | **15.5** | 4.7 | |
| MA | 2205 | **.8** | .2 | ME | 2205 | **2.4** | .7 | |
| 13 | 0255 | **14.3** | 4.4 | 28 | 0305 | **12.2** | 3.7 | |
| | 0945 | **1.8** | .5 | | 0940 | **2.9** | .9 | |
| WE | 1510 | **18.4** | 5.6 | TH | 1505 | **16.1** | 4.9 | |
| ME | 2250 | **.5** | .2 | JE | 2245 | **2.0** | .6 | |
| 14 | 0345 | **14.4** | 4.4 | 29 | 0340 | **12.6** | 3.8 | |
| | 1035 | **1.7** | .5 | | 1025 | **2.7** | .8 | |
| TH | 1555 | **18.2** | 5.5 | FR | 1545 | **16.5** | 5.0 | |
| JE | 2340 | **.7** | .2 | VE | 2320 | **1.9** | .6 | |
| 15 | 0430 | **14.2** | 4.3 | 30 | 0420 | **12.9** | 3.9 | |
| | 1125 | **1.9** | .6 | | 1105 | **2.6** | .8 | |
| FR | 1645 | **17.5** | 5.3 | SA | 1625 | **16.6** | 5.1 | |
| | | | | SA | | | | |
| | | | | 31 | 0000 | **1.9** | .6 | |
| | | | | | 0455 | **13.3** | 4.1 | |
| | | | | SU | 1150 | **2.6** | .8 | |
| | | | | DI | 1705 | **16.4** | 5.0 | |

# TRAVERSE DE SAINT-ROCH ($\frac{EST}{Z+5}$)



1989

## JANUARY-JANVIER

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0557 | + | 16 | 0005 | - |
| | 1215 | - | | 0632 | + |
| SU | 1912 | + | MO | 1240 | - |
| DI | | | LU | 1957 | + |
| 2 | 0035 | - | 17 | 0120 | - |
| | 0647 | + | | 0742 | + |
| MO | 1315 | - | TU | 1350 | - |
| LU | 2032 | + | MA | 2117 | + |
| 3 | 0145 | - | 18 | 0235 | - |
| | 0747 | + | | 0847 | + |
| TU | 1410 | - | WE | 1500 | - |
| MA | 2137 | + | ME | 2227 | + |
| 4 | 0250 | - | 19 | 0345 | - |
| | 0847 | + | | 0952 | + |
| WE | 1505 | - | TH | 1600 | - |
| ME | 2232 | + | JE | 2317 | + |
| 5 | 0345 | - | 20 | 0435 | - |
| | 0942 | + | | 1047 | + |
| TH | 1555 | - | FR | 1650 | - |
| JE | 2312 | + | VE | 2357 | + |
| 6 | 0435 | - | 21 | 0520 | - |
| | 1032 | + | | 1132 | + |
| FR | 1640 | - | SA | 1735 | - |
| VE | 2352 | + | SA | | |
| 7 | 0515 | - | 22 | 0037 | + |
| | 1117 | + | | 0600 | - |
| SA | 1725 | - | SU | 1212 | + |
| SA | | | DI | 1815 | - |
| 8 | 0012 | + | 23 | 0112 | + |
| | 0555 | - | | 0635 | - |
| SU | 1202 | + | MO | 1252 | + |
| DI | 1805 | - | LU | 1850 | - |
| 9 | 0107 | + | 24 | 0142 | + |
| | 0640 | - | | 0710 | - |
| MO | 1242 | + | TU | 1327 | + |
| LU | 1845 | - | MA | 1925 | - |
| 10 | 0147 | + | 25 | 0212 | + |
| | 0720 | - | | 0750 | - |
| TU | 1327 | + | WE | 1407 | + |
| MA | 1930 | - | ME | 2000 | - |
| 11 | 0227 | + | 26 | 0237 | + |
| | 0805 | - | | 0825 | - |
| WE | 1412 | + | TH | 1442 | + |
| ME | 2015 | - | JE | 2035 | - |
| 12 | 0312 | + | 27 | 0307 | + |
| | 0850 | - | | 0900 | - |
| TH | 1502 | + | FR | 1522 | + |
| JE | 2105 | - | VE | 2110 | - |
| 13 | 0357 | + | 28 | 0337 | + |
| | 0940 | - | | 0940 | - |
| FR | 1602 | + | SA | 1607 | + |
| VE | 2155 | - | SA | 2150 | - |
| 14 | 0442 | + | 29 | 0407 | + |
| | 1035 | - | | 1020 | - |
| SA | 1707 | + | SU | 1657 | + |
| SA | 2255 | - | DI | 2230 | - |
| 15 | 0532 | + | 30 | 0447 | + |
| | 1135 | - | | 1105 | - |
| SU | 1827 | + | MO | 1802 | + |
| DI | | | LU | 2325 | - |
| | | | 31 | 0532 | + |
| | | | | 1205 | - |
| | | | TU | 1932 | + |
| | | | MA | | |

## FEBRUARY-FEVRIER

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0040 | - | 16 | 0225 | - |
| | 0642 | + | | 0837 | + |
| WE | 1320 | - | TH | 1450 | - |
| ME | 2102 | + | JE | 2217 | + |
| 2 | 0205 | - | 17 | 0335 | - |
| | 0807 | + | | 0947 | + |
| TH | 1430 | - | FR | 1555 | - |
| JE | 2207 | + | VE | 2307 | + |
| 3 | 0320 | - | 18 | 0425 | - |
| | 0922 | + | | 1037 | + |
| FR | 1535 | - | SA | 1645 | - |
| VE | 2252 | + | SA | 2342 | + |
| 4 | 0415 | - | 19 | 0505 | - |
| | 1017 | + | | 1122 | + |
| SA | 1625 | - | SU | 1725 | - |
| SA | 2332 | + | DI | | |
| 5 | 0500 | - | 20 | 0012 | + |
| | 1107 | + | | 0540 | - |
| SU | 1710 | - | MO | 1202 | + |
| DI | | | LU | 1755 | - |
| 6 | 0007 | + | 21 | 0042 | + |
| | 0540 | - | | 0615 | - |
| MO | 1152 | + | TU | 1237 | + |
| LU | 1750 | - | MA | 1830 | - |
| 7 | 0047 | + | 22 | 0107 | + |
| | 0620 | - | | 0645 | - |
| TU | 1232 | + | WE | 1307 | + |
| MA | 1830 | - | ME | 1900 | - |
| 8 | 0122 | + | 23 | 0132 | + |
| | 0700 | - | | 0715 | - |
| WE | 1317 | + | TH | 1342 | + |
| ME | 1915 | - | JE | 1930 | - |
| 9 | 0157 | + | 24 | 0157 | + |
| | 0740 | - | | 0745 | - |
| TH | 1402 | + | FR | 1417 | + |
| JE | 1955 | - | VE | 2000 | - |
| 10 | 0237 | + | 25 | 0222 | + |
| | 0825 | - | | 0820 | - |
| FR | 1452 | + | SA | 1452 | + |
| VE | 2045 | - | SA | 2035 | - |
| 11 | 0317 | + | 26 | 0247 | + |
| | 0910 | - | | 0850 | - |
| SA | 1542 | + | SU | 1527 | + |
| SA | 2135 | - | DI | 2110 | - |
| 12 | 0402 | + | 27 | 0317 | + |
| | 1000 | - | | 0925 | - |
| SU | 1647 | + | MO | 1612 | + |
| DI | 2230 | - | LU | 2150 | - |
| 13 | 0452 | + | 28 | 0352 | + |
| | 1100 | - | | 1015 | - |
| MO | 1802 | + | TU | 1712 | + |
| LU | 2335 | - | MA | 2240 | - |
| 14 | 0552 | + | | | |
| | 1205 | - | | | |
| TU | 1937 | + | | | |
| MA | | | | | |
| 15 | 0055 | - | | | |
| | 0707 | + | | | |
| WE | 1325 | - | | | |
| ME | 2112 | + | | | |

## MARCH-MARS

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0437 | + | 16 | 0035 | - |
| | 1110 | - | | 0647 | + |
| WE | 1837 | + | TH | 1305 | - |
| ME | 2355 | - | JE | 2052 | + |
| 2 | 0552 | + | 17 | 0210 | - |
| | 1230 | - | | 0822 | + |
| TH | 2027 | + | FR | 1440 | - |
| JE | | | VE | 2157 | + |
| 3 | 0130 | - | 18 | 0325 | - |
| | 0732 | + | | 0932 | + |
| FR | 1400 | - | SA | 1540 | - |
| VE | 2137 | + | SA | 2242 | + |
| 4 | 0255 | - | 19 | 0410 | - |
| | 0857 | + | | 1027 | + |
| SA | 1510 | - | SU | 1625 | - |
| SA | 2222 | + | DI | 2312 | + |
| 5 | 0350 | - | 20 | 0445 | - |
| | 0957 | + | | 1107 | + |
| SU | 1605 | - | MO | 1700 | - |
| DI | 2302 | + | LU | 2342 | + |
| 6 | 0435 | - | 21 | 0515 | - |
| | 1047 | + | | 1142 | + |
| MO | 1645 | - | TU | 1730 | - |
| LU | 2137 | + | MA | | |
| 7 | 0515 | - | 22 | 0002 | + |
| | 1132 | + | | 0545 | - |
| TU | 1730 | - | WE | 1217 | + |
| MA | | | ME | 1800 | - |
| 8 | 0012 | + | 23 | 0027 | + |
| | 0555 | - | | 0615 | - |
| WE | 1217 | + | TH | 1247 | + |
| ME | 1810 | - | JE | 1830 | - |
| 9 | 0052 | + | 24 | 0052 | + |
| | 0630 | - | | 0640 | - |
| TH | 1302 | + | FR | 1322 | + |
| JE | 1850 | - | VE | 1900 | - |
| 10 | 0127 | + | 25 | 0117 | + |
| | 0715 | - | | 0710 | - |
| FR | 1347 | + | SA | 1352 | + |
| VE | 1935 | - | SA | 1930 | - |
| 11 | 0207 | + | 26 | 0142 | + |
| | 0755 | - | | 0740 | - |
| SA | 1437 | + | SU | 1422 | + |
| SA | 2020 | - | DI | 2005 | - |
| 12 | 0247 | + | 27 | 0207 | + |
| | 0840 | - | | 0815 | - |
| SU | 1527 | + | MO | 1502 | + |
| DI | 2115 | - | LU | 2040 | - |
| 13 | 0327 | + | 28 | 0242 | + |
| | 0930 | - | | 0850 | - |
| MO | 1632 | + | TU | 1547 | + |
| LU | 2210 | - | MA | 2125 | - |
| 14 | 0417 | + | 29 | 0317 | + |
| | 1030 | - | | 0940 | - |
| TU | 1747 | + | WE | 1647 | + |
| MA | 2315 | - | ME | 2220 | - |
| 15 | 0517 | + | 30 | 0407 | + |
| | 1140 | - | | 1040 | - |
| WE | 1922 | + | TH | 1812 | + |
| ME | | | JE | 2335 | - |
| | | | 31 | 0527 | + |
| | | | | 1200 | - |
| | | | FR | 1947 | + |
| | | | VE | | |

SEE NOTE ON PAGE 35.

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## TABLE DES COURANTS

# TRAVERSE DE SAINT-ROCH (HNE Z+5)

1989

### APRIL-AVRIL

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0105 | - | 16 | 0250 | - |
| | 0707 | + | | 0912 | + |
| SA | 1325 | - | SU | 1510 | - |
| SA | 2057 | + | DI | 2157 | + |
| 2 | 0225 | - | 17 | 0335 | - |
| | 0832 | + | | 1002 | + |
| SU | 1435 | - | MO | 1555 | - |
| DI | 2147 | + | LU | 2227 | + |
| 3 | 0320 | - | 18 | 0410 | - |
| | 0937 | + | | 1047 | + |
| MO | 1535 | - | TU | 1630 | - |
| LU | 2227 | + | MA | 2257 | + |
| 4 | 0405 | - | 19 | 0440 | - |
| | 1027 | + | | 1122 | + |
| TU | 1620 | - | WE | 1700 | - |
| MA | 2302 | + | ME | 2322 | + |
| 5 | 0445 | - | 20 | 0510 | - |
| | 1117 | + | | 1157 | + |
| WE | 1705 | - | TH | 1730 | - |
| ME | 2342 | + | JE | 2347 | + |
| 6 | 0525 | - | 21 | 0540 | - |
| | 1202 | + | | 1227 | + |
| TH | 1750 | - | FR | 1800 | - |
| JE | | | VE | | |
| 7 | 0017 | + | 22 | 0012 | + |
| | 0605 | - | | 0610 | - |
| FR | 1247 | + | SA | 1302 | + |
| VE | 1830 | - | SA | 1835 | - |
| 8 | 0057 | + | 23 | 0037 | + |
| | 0645 | - | | 0640 | - |
| SA | 1337 | + | SU | 1332 | + |
| SA | 1915 | - | DI | 1905 | - |
| 9 | 0137 | + | 24 | 0107 | + |
| | 0730 | - | | 0710 | - |
| SU | 1427 | + | MO | 1407 | + |
| DI | 2005 | - | LU | 1945 | - |
| 10 | 0217 | + | 25 | 0142 | + |
| | 0820 | - | | 0750 | - |
| MO | 1517 | + | TU | 1447 | + |
| LU | 2055 | - | MA | 2025 | - |
| 11 | 0302 | + | 26 | 0217 | + |
| | 0910 | - | | 0830 | - |
| TU | 1617 | + | WE | 1537 | + |
| MA | 2150 | - | ME | 2115 | - |
| 12 | 0352 | + | 27 | 0302 | + |
| | 1010 | - | | 0925 | - |
| WE | 1732 | + | TH | 1637 | + |
| ME | 2255 | - | JE | 2210 | - |
| 13 | 0502 | + | 28 | 0357 | + |
| | 1115 | - | | 1025 | - |
| TH | 1857 | + | FR | 1752 | + |
| JE | | | VE | 2320 | - |
| 14 | 0015 | - | 29 | 0517 | + |
| | 0627 | + | | 1135 | - |
| FR | 1240 | - | SA | 1907 | + |
| VE | 2017 | + | SA | | |
| 15 | 0145 | - | 30 | 0040 | - |
| | 0802 | + | | 0647 | + |
| SA | 1405 | - | SU | 1250 | - |
| SA | 2112 | + | DI | 2007 | + |

### MAY-MAI

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0150 | - | 16 | 0245 | - |
| | 0807 | + | | 0932 | + |
| MO | 1400 | - | TU | 1510 | - |
| LU | 2057 | + | MA | 2132 | + |
| 2 | 0245 | - | 17 | 0325 | - |
| | 0912 | + | | 1017 | + |
| TU | 1500 | - | WE | 1550 | - |
| MA | 2142 | + | ME | 2202 | + |
| 3 | 0335 | - | 18 | 0405 | - |
| | 1012 | + | | 1102 | + |
| WE | 1555 | - | TH | 1630 | - |
| ME | 2227 | + | JE | 2237 | + |
| 4 | 0415 | - | 19 | 0435 | - |
| | 1102 | + | | 1137 | + |
| TH | 1640 | - | FR | 1705 | - |
| JE | 2307 | + | VE | 2307 | + |
| 5 | 0500 | - | 20 | 0510 | - |
| | 1152 | + | | 1212 | + |
| FR | 1730 | - | SA | 1740 | - |
| VE | 2347 | + | SA | 2342 | + |
| 6 | 0545 | - | 21 | 0540 | - |
| | 1242 | + | | 1242 | + |
| SA | 1815 | - | SU | 1815 | - |
| SA | | | DI | | |
| 7 | 0032 | + | 22 | 0012 | + |
| | 0625 | - | | 0615 | - |
| SU | 1327 | + | MO | 1322 | + |
| DI | 1900 | - | LU | 1850 | - |
| 8 | 0112 | + | 23 | 0052 | + |
| | 0715 | - | | 0655 | - |
| MO | 1417 | + | TU | 1357 | + |
| LU | 1950 | - | MA | 1930 | - |
| 9 | 0157 | + | 24 | 0127 | + |
| | 0800 | - | | 0735 | - |
| TU | 1507 | + | WE | 1442 | + |
| MA | 2040 | - | ME | 2015 | - |
| 10 | 0247 | + | 25 | 0212 | + |
| | 0855 | - | | 0820 | - |
| WE | 1607 | + | TH | 1532 | + |
| ME | 2135 | - | JE | 2105 | - |
| 11 | 0342 | + | 26 | 0302 | + |
| | 0950 | - | | 0915 | - |
| TH | 1707 | + | FR | 1627 | + |
| JE | 2235 | - | VE | 2205 | - |
| 12 | 0447 | + | 27 | 0357 | + |
| | 1055 | - | | 1010 | - |
| FR | 1812 | + | SA | 1722 | + |
| VE | 2345 | - | SA | 2305 | - |
| 13 | 0602 | + | 28 | 0507 | + |
| | 1200 | - | | 1110 | - |
| SA | 1917 | + | SU | 1822 | + |
| SA | | | DI | | |
| 14 | 0055 | - | 29 | 0005 | - |
| | 0722 | + | | 0627 | + |
| SU | 1315 | - | MO | 1220 | - |
| DI | 2012 | + | LU | 1917 | + |
| 15 | 0200 | - | 30 | 0110 | - |
| | 0832 | + | | 0742 | + |
| MO | 1420 | - | TU | 1330 | - |
| LU | 2052 | + | MA | 2012 | + |
| | | | 31 | 0210 | - |
| | | | | 0857 | + |
| | | | WE | 1435 | - |
| | | | ME | 2102 | + |

### JUNE-JUIN

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0300 | - | 16 | 0320 | - |
| | 0957 | + | | 1032 | + |
| TH | 1530 | - | FR | 1555 | - |
| JE | 2152 | + | VE | 2157 | + |
| 2 | 0350 | - | 17 | 0405 | - |
| | 1052 | + | | 1117 | + |
| FR | 1625 | - | SA | 1640 | - |
| VE | 2242 | + | SA | 2237 | + |
| 3 | 0440 | - | 18 | 0445 | - |
| | 1147 | + | | 1152 | + |
| SA | 1715 | - | SU | 1720 | - |
| SA | 2327 | + | DI | 2322 | + |
| 4 | 0525 | - | 19 | 0525 | - |
| | 1232 | + | | 1232 | + |
| SU | 1800 | - | MO | 1800 | - |
| DI | | | LU | | |
| 5 | 0012 | + | 20 | 0002 | + |
| | 0615 | - | | 0605 | - |
| MO | 1322 | + | TU | 1307 | + |
| LU | 1850 | - | MA | 1840 | - |
| 6 | 0102 | + | 21 | 0042 | + |
| | 0700 | - | | 0645 | - |
| TU | 1407 | + | WE | 1347 | + |
| MA | 1935 | - | ME | 1920 | - |
| 7 | 0147 | + | 22 | 0122 | + |
| | 0750 | - | | 0725 | - |
| WE | 1452 | + | TH | 1427 | + |
| ME | 2025 | - | JE | 2005 | - |
| 8 | 0232 | + | 23 | 0207 | + |
| | 0840 | - | | 0810 | - |
| TH | 1542 | + | FR | 1512 | + |
| JE | 2115 | - | VE | 2050 | - |
| 9 | 0327 | + | 24 | 0257 | + |
| | 0930 | - | | 0900 | - |
| FR | 1632 | + | SA | 1557 | + |
| VE | 2205 | - | SA | 2140 | - |
| 10 | 0422 | + | 25 | 0347 | + |
| | 1020 | - | | 0950 | - |
| SA | 1717 | + | SU | 1647 | + |
| SA | 2300 | - | DI | 2235 | - |
| 11 | 0522 | + | 26 | 0452 | + |
| | 1115 | - | | 1045 | - |
| SU | 1807 | + | MO | 1737 | + |
| DI | 2355 | - | LU | 2330 | - |
| 12 | 0632 | + | 27 | 0602 | + |
| | 1215 | - | | 1150 | - |
| MO | 1852 | + | TU | 1832 | + |
| LU | | | MA | | |
| 13 | 0055 | - | 28 | 0030 | - |
| | 0742 | + | | 0722 | + |
| TU | 1315 | - | WE | 1300 | - |
| MA | 1937 | + | ME | 1932 | + |
| 14 | 0145 | - | 29 | 0135 | - |
| | 0852 | + | | 0842 | + |
| WE | 1415 | - | TH | 1410 | - |
| ME | 2022 | + | JE | 2032 | + |
| 15 | 0235 | - | 30 | 0235 | - |
| | 0947 | + | | 0952 | + |
| TH | 1510 | - | FR | 1515 | - |
| JE | 2112 | + | VE | 2132 | + |

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# TRAVERSE DE SAINT-ROCH (EST Z+5)



1989

## JULY-JUILLET

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0335 | - | 16 | 0335 | - |
| | 1052 | + | | 1057 | + |
| SA | 1615 | - | SU | 1620 | - |
| SA | 2227 | + | DI | 2217 | + |
| 2 | 0425 | - | 17 | 0425 | - |
| | 1142 | + | | 1137 | + |
| SU | 1705 | - | MO | 1700 | - |
| DI | 2317 | + | LU | 2302 | + |
| 3 | 0520 | - | 18 | 0510 | - |
| | 1227 | + | | 1212 | + |
| MO | 1750 | - | TU | 1740 | - |
| LU | | | MA | 2347 | + |
| 4 | 0002 | + | 19 | 0550 | - |
| | 0605 | - | | 1247 | + |
| TU | 1307 | + | WE | 1820 | - |
| MA | 1835 | - | ME | | |
| 5 | 0047 | + | 20 | 0027 | + |
| | 0650 | - | | 0630 | - |
| WE | 1347 | + | TH | 1327 | + |
| ME | 1920 | - | JE | 1900 | - |
| 6 | 0132 | + | 21 | 0112 | + |
| | 0735 | - | | 0710 | - |
| TH | 1427 | + | FR | 1402 | + |
| JE | 2000 | - | VE | 1940 | - |
| 7 | 0217 | + | 22 | 0152 | + |
| | 0815 | - | | 0750 | - |
| FR | 1507 | + | SA | 1442 | + |
| VE | 2045 | - | SA | 2025 | - |
| 8 | 0302 | + | 23 | 0242 | + |
| | 0855 | - | | 0835 | - |
| SA | 1542 | + | SU | 1522 | + |
| SA | 2130 | - | DI | 2110 | - |
| 9 | 0347 | + | 24 | 0332 | + |
| | 0940 | - | | 0925 | - |
| SU | 1617 | + | MO | 1607 | + |
| DI | 2215 | - | LU | 2205 | - |
| 10 | 0442 | + | 25 | 0432 | + |
| | 1025 | - | | 1020 | - |
| MO | 1652 | + | TU | 1657 | + |
| LU | 2300 | - | MA | 2300 | - |
| 11 | 0537 | + | 26 | 0542 | + |
| | 1115 | - | | 1125 | - |
| TU | 1732 | + | WE | 1752 | + |
| MA | 2350 | - | ME | | |
| 12 | 0647 | + | 27 | 0000 | - |
| | 1210 | - | | 0707 | + |
| WE | 1817 | + | TH | 1235 | - |
| ME | | | JE | 1852 | + |
| 13 | 0040 | - | 28 | 0105 | - |
| | 0802 | + | | 0837 | + |
| TH | 1315 | - | FR | 1355 | - |
| JE | 1917 | + | VE | 2007 | + |
| 14 | 0140 | - | 29 | 0220 | - |
| | 0912 | + | | 0947 | + |
| FR | 1425 | - | SA | 1510 | - |
| VE | 2017 | + | SA | 2117 | + |
| 15 | 0240 | - | 30 | 0325 | - |
| | 1012 | + | | 1047 | + |
| SA | 1530 | - | SU | 1610 | - |
| SA | 2122 | + | DI | 2217 | + |
| | | | 31 | 0425 | - |
| | | | | 1132 | + |
| | | | MO | 1655 | - |
| | | | LU | 2307 | + |

## AUGUST-AOÛT

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0510 | - | 16 | 0450 | - |
| | 1212 | + | | 1147 | + |
| TU | 1740 | - | WE | 1720 | - |
| MA | 2352 | + | ME | 2327 | + |
| 2 | 0555 | - | 17 | 0525 | - |
| | 1247 | + | | 1222 | + |
| WE | 1815 | - | TH | 1755 | - |
| ME | | | JE | | |
| 3 | 0037 | + | 18 | 0012 | + |
| | 0630 | - | | 0605 | - |
| TH | 1322 | + | FR | 1257 | + |
| JE | 1855 | - | VE | 1835 | - |
| 4 | 0117 | + | 19 | 0052 | + |
| | 0710 | - | | 0645 | - |
| FR | 1352 | + | SA | 1332 | + |
| VE | 1930 | - | SA | 1915 | - |
| 5 | 0152 | + | 20 | 0137 | + |
| | 0745 | - | | 0730 | - |
| SA | 1422 | + | SU | 1407 | + |
| SA | 2010 | - | DI | 1955 | - |
| 6 | 0232 | + | 21 | 0222 | + |
| | 0820 | - | | 0815 | - |
| SU | 1452 | + | MO | 1447 | + |
| DI | 2045 | - | LU | 2040 | - |
| 7 | 0312 | + | 22 | 0317 | + |
| | 0855 | - | | 0905 | - |
| MO | 1522 | + | TU | 1532 | + |
| LU | 2120 | - | MA | 2130 | - |
| 8 | 0357 | + | 23 | 0417 | + |
| | 0935 | - | | 1000 | - |
| TU | 1552 | + | WE | 1617 | + |
| MA | 2205 | - | ME | 2230 | - |
| 9 | 0447 | + | 24 | 0532 | + |
| | 1020 | - | | 1105 | - |
| WE | 1627 | + | TH | 1717 | + |
| ME | 2250 | - | JE | 2335 | - |
| 10 | 0547 | + | 25 | 0702 | + |
| | 1115 | - | | 1220 | - |
| TH | 1712 | + | FR | 1827 | + |
| JE | 2345 | - | VE | | |
| 11 | 0712 | + | 26 | 0050 | - |
| | 1220 | - | | 0832 | + |
| FR | 1817 | + | SA | 1345 | - |
| VE | | | SA | 1957 | + |
| 12 | 0050 | - | 27 | 0210 | - |
| | 0837 | + | | 0942 | + |
| SA | 1345 | - | SU | 1505 | - |
| SA | 1937 | + | DI | 2112 | + |
| 13 | 0205 | - | 28 | 0325 | - |
| | 0947 | + | | 1037 | + |
| SU | 1500 | - | MO | 1600 | - |
| DI | 2057 | + | LU | 2212 | + |
| 14 | 0315 | - | 29 | 0415 | - |
| | 1032 | + | | 1117 | + |
| MO | 1600 | - | TU | 1645 | - |
| LU | 2157 | + | MA | 2257 | + |
| 15 | 0405 | - | 30 | 0500 | - |
| | 1112 | + | | 1152 | + |
| TU | 1640 | - | WE | 1720 | - |
| MA | 2247 | + | ME | 2342 | + |
| | | | 31 | 0535 | - |
| | | | | 1222 | + |
| | | | TH | 1755 | - |
| | | | JE | | |

## SEPTEMBER-SEPTEMBRE

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0017 | + | 16 | 0540 | - |
| | 0610 | - | | 1222 | + |
| FR | 1247 | + | SA | 1805 | - |
| VE | 1825 | - | SA | | |
| 2 | 0052 | + | 17 | 0037 | + |
| | 0640 | - | | 0625 | - |
| SA | 1312 | + | SU | 1257 | + |
| SA | 1900 | - | DI | 1845 | - |
| 3 | 0127 | + | 18 | 0122 | + |
| | 0710 | - | | 0705 | - |
| SU | 1337 | + | MO | 1337 | + |
| DI | 1930 | - | LU | 1925 | - |
| 4 | 0202 | + | 19 | 0207 | + |
| | 0745 | - | | 0755 | - |
| MO | 1402 | + | TU | 1417 | + |
| LU | 2000 | - | MA | 2015 | - |
| 5 | 0237 | + | 20 | 0302 | + |
| | 0820 | - | | 0845 | - |
| TU | 1427 | + | WE | 1457 | + |
| MA | 2035 | - | ME | 2105 | - |
| 6 | 0317 | + | 21 | 0402 | + |
| | 0855 | - | | 0940 | - |
| WE | 1457 | + | TH | 1547 | + |
| ME | 2110 | - | JE | 2205 | - |
| 7 | 0402 | + | 22 | 0517 | + |
| | 0935 | - | | 1045 | - |
| TH | 1532 | + | FR | 1652 | + |
| JE | 2200 | - | VE | 2315 | - |
| 8 | 0502 | + | 23 | 0652 | + |
| | 1025 | - | | 1205 | - |
| FR | 1617 | + | SA | 1817 | + |
| VE | 2255 | - | SA | | |
| 9 | 0627 | + | 24 | 0035 | - |
| | 1140 | - | | 0817 | + |
| SA | 1732 | + | SU | 1335 | - |
| SA | | | DI | 1947 | + |
| 10 | 0010 | - | 25 | 0205 | - |
| | 080? | + | | 0927 | + |
| SU | 13 | - | MO | 1455 | - |
| DI | 1907 | + | LU | 2107 | + |
| 11 | 0135 | - | 26 | 0315 | - |
| | 0917 | + | | 1012 | + |
| MO | 1435 | - | TU | 1545 | - |
| LU | 2037 | + | MA | 2202 | + |
| 12 | 0245 | - | 27 | 0400 | - |
| | 1002 | + | | 1047 | + |
| TU | 1530 | - | WE | 1620 | - |
| MA | 2137 | + | ME | 2247 | + |
| 13 | .. | - | 28 | 0440 | - |
| | | + | | 1117 | + |
| WE | 1615 | - | TH | 1655 | - |
| ME | 2227 | + | JE | 2327 | + |
| 14 | 0420 | - | 29 | 0510 | - |
| | 1112 | + | | 1142 | + |
| TH | 1650 | - | FR | 1725 | - |
| JE | 2307 | + | VE | | |
| 15 | 0500 | - | 30 | 0002 | + |
| | 1147 | + | | 0540 | - |
| FR | 1730 | - | SA | 1207 | + |
| VE | 2352 | + | SA | 1755 | - |

SEE NOTE ON PAGE 35.

VOIR LA NOTE A LA PAGE 35.

## TABLE DES COURANTS

# TRAVERSE DE SAINT-ROCH (HNE Z+5)

1989

### OCTOBER-OCTOBRE

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0032 | + | 16 | 0022 | + |
| | 0610 | - | | 0605 | - |
| SU | 1232 | + | MO | 1227 | + |
| DI | 1825 | - | LU | 1820 | - |
| 2 | 0107 | + | 17 | 0107 | + |
| | 0640 | - | | 0650 | - |
| MO | 1257 | + | TU | 1307 | + |
| LU | 1850 | - | MA | 1905 | - |
| 3 | 0137 | + | 18 | 0157 | + |
| | 0715 | - | | 0735 | - |
| TU | 1322 | + | WE | 1352 | + |
| MA | 1925 | - | ME | 1950 | - |
| 4 | 0207 | + | 19 | 0252 | + |
| | 0745 | - | | 0830 | - |
| WE | 1352 | + | TH | 1437 | + |
| ME | 1955 | - | JE | 2045 | - |
| 5 | 0247 | + | 20 | 0352 | + |
| | 0825 | - | | 0925 | - |
| TH | 1422 | + | FR | 1532 | + |
| JE | 2035 | - | VE | 2145 | - |
| 6 | 0332 | + | 21 | 0502 | + |
| | 0905 | - | | 1030 | - |
| FR | 1457 | + | SA | 1637 | + |
| VE | 2120 | - | SA | 2255 | - |
| 7 | 0427 | + | 22 | 0627 | + |
| | 1000 | - | | 1150 | - |
| SA | 1547 | + | SU | 1802 | + |
| SA | 2220 | - | DI | | |
| 8 | 0552 | + | 23 | 0015 | - |
| | 1115 | - | | 0747 | + |
| SU | 1702 | + | MO | 1315 | - |
| DI | 2335 | - | LU | 1932 | + |
| 9 | 0722 | + | 24 | 0140 | - |
| | 1240 | - | | 0847 | + |
| MO | 1842 | + | TU | 1425 | - |
| LU | | | MA | 2047 | + |
| 10 | 0100 | - | 25 | 0245 | - |
| | 0827 | + | | 0932 | + |
| TU | 1400 | - | WE | 1515 | - |
| MA | 2007 | + | ME | 2147 | + |
| 11 | 0210 | - | 26 | 0335 | - |
| | 0917 | + | | 1007 | + |
| WE | 1455 | - | TH | 1550 | - |
| ME | 2112 | + | JE | 2232 | + |
| 12 | 0305 | - | 27 | 0410 | - |
| | 0957 | + | | 1037 | + |
| TH | 1540 | - | FR | 1625 | - |
| JE | 2202 | + | VE | 2307 | + |
| 13 | 0355 | - | 28 | 0445 | - |
| | 1037 | + | | 1102 | + |
| FR | 1620 | - | SA | 1655 | - |
| VE | 2252 | + | SA | 2342 | + |
| 14 | 0435 | - | 29 | 0515 | - |
| | 1112 | + | | 1127 | + |
| SA | 1700 | - | SU | 1720 | - |
| SA | 2337 | + | DI | | |
| 15 | 0520 | - | 30 | 0017 | + |
| | 1147 | + | | 0545 | - |
| SU | 1740 | - | MO | 1157 | + |
| DI | | | LU | 1750 | - |
| | | | 31 | 0047 | + |
| | | | | 0620 | - |
| | | | TU | 1222 | + |
| | | | MA | 1820 | - |

### NOVEMBER-NOVEMBRE

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0117 | + | 16 | 0152 | + |
| | 0650 | - | | 0725 | - |
| WE | 1252 | + | TH | 1332 | + |
| ME | 1855 | - | JE | 1935 | - |
| 2 | 0152 | + | 17 | 0242 | + |
| | 0725 | - | | 0815 | - |
| TH | 1327 | + | FR | 1422 | + |
| JE | 1930 | - | VE | 2030 | - |
| 3 | 0232 | + | 18 | 0337 | + |
| | 0805 | - | | 0910 | - |
| FR | 1402 | + | SA | 1517 | + |
| VE | 2010 | - | SA | 2125 | - |
| 4 | 0317 | + | 19 | 0442 | + |
| | 0850 | - | | 1010 | - |
| SA | 1442 | + | SU | 1622 | + |
| SA | 2100 | - | DI | 2230 | - |
| 5 | 0412 | + | 20 | 0547 | + |
| | 0950 | - | | 1115 | - |
| SU | 1537 | + | MO | 1737 | + |
| DI | 2200 | - | LU | 2335 | - |
| 6 | 0522 | + | 21 | 0652 | + |
| | 1055 | - | | 1230 | - |
| MO | 1647 | + | TU | 1902 | + |
| LU | 2305 | - | MA | | |
| 7 | 0632 | + | 22 | 0050 | - |
| | 1210 | - | | 0747 | + |
| TU | 1817 | + | WE | 1335 | - |
| MA | | | ME | 2017 | + |
| 8 | 0020 | - | 23 | 0200 | - |
| | 0732 | + | | 0832 | + |
| WE | 1320 | - | TH | 1425 | - |
| ME | 1937 | + | JE | 2117 | + |
| 9 | 0130 | - | 24 | 0255 | - |
| | 0827 | + | | 0912 | + |
| TH | 1415 | - | FR | 1510 | - |
| JE | 2047 | + | VE | 2207 | + |
| 10 | 0230 | - | 25 | 0340 | - |
| | 0912 | + | | 0947 | + |
| FR | 1505 | - | SA | 1545 | - |
| VE | 2147 | + | SA | 2252 | + |
| 11 | 0325 | - | 26 | 0415 | - |
| | 0957 | + | | 1022 | + |
| SA | 1550 | - | SU | 1620 | - |
| SA | 2237 | + | DI | 2327 | + |
| 12 | 0415 | - | 27 | 0455 | - |
| | 1037 | + | | 1057 | + |
| SU | 1635 | - | MO | 1655 | - |
| DI | 2327 | + | LU | | |
| 13 | 0505 | - | 28 | 0002 | + |
| | 1122 | + | | 0525 | - |
| MO | 1715 | - | TU | 1127 | + |
| LU | | | MA | 1730 | - |
| 14 | 0017 | + | 29 | 0032 | + |
| | 0550 | - | | 0600 | - |
| TU | 1207 | + | WE | 1202 | + |
| MA | 1800 | - | ME | 1805 | - |
| 15 | 0102 | + | 30 | 0107 | + |
| | 0635 | - | | 0640 | - |
| WE | 1247 | + | TH | 1237 | + |
| ME | 1850 | - | JE | 1840 | - |

### DECEMBER-DECEMBRE

| Day | Time | | Jour | Heure | |
|---|---|---|---|---|---|
| 1 | 0142 | + | 16 | 0232 | + |
| | 0715 | - | | 0800 | - |
| FR | 1312 | + | SA | 1412 | + |
| VE | 1920 | - | SA | 2015 | - |
| 2 | 0222 | + | 17 | 0317 | + |
| | 0755 | - | | 0850 | - |
| SA | 1352 | + | SU | 1502 | + |
| SA | 2000 | - | DI | 2105 | - |
| 3 | 0302 | + | 18 | 0402 | + |
| | 0840 | - | | 0940 | - |
| SU | 1437 | + | MO | 1557 | + |
| DI | 2045 | - | LU | 2155 | - |
| 4 | 0352 | + | 19 | 0452 | + |
| | 0935 | - | | 1035 | - |
| MO | 1527 | + | TU | 1657 | + |
| LU | 2135 | - | MA | 2245 | - |
| 5 | 0442 | + | 20 | 0537 | + |
| | 1030 | - | | 1130 | - |
| TU | 1632 | + | WE | 1807 | + |
| MA | 2235 | - | ME | 2345 | - |
| 6 | 0537 | + | 21 | 0627 | + |
| | 1130 | - | | 1230 | - |
| WE | 1742 | + | TH | 1922 | + |
| ME | 2340 | - | JE | | |
| 7 | 0637 | + | 22 | 0050 | - |
| | 1235 | - | | 0712 | + |
| TH | 1907 | + | FR | 1325 | - |
| JE | | | VE | 2037 | + |
| 8 | 0050 | - | 23 | 0155 | - |
| | 0732 | + | | 0807 | + |
| FR | 1335 | - | SA | 1420 | - |
| VE | 2022 | + | SA | 2137 | + |
| 9 | 0200 | - | 24 | 0300 | - |
| | 0827 | + | | 0857 | + |
| SA | 1430 | - | SU | 1510 | - |
| SA | 2132 | + | DI | 2232 | + |
| 10 | 0305 | - | 25 | 0350 | - |
| | 0922 | + | | 0947 | + |
| SU | 1525 | - | MO | 1555 | - |
| DI | 2232 | + | LU | 2312 | + |
| 11 | 0400 | - | 26 | 0435 | - |
| | 1017 | + | | 1032 | + |
| MO | 1615 | - | TU | 1635 | - |
| LU | 2322 | + | MA | 2347 | + |
| 12 | 0450 | - | 27 | 0510 | - |
| | 1102 | + | | 1112 | + |
| TU | 1705 | - | WE | 1715 | - |
| MA | | | ME | | |
| 13 | 0012 | + | 28 | 0022 | + |
| | 0540 | - | | 0550 | - |
| WE | 1152 | + | TH | 1152 | + |
| ME | 1750 | - | JE | 1755 | - |
| 14 | 0057 | + | 29 | 0057 | + |
| | 0625 | - | | 0625 | - |
| TH | 1237 | + | FR | 1227 | + |
| JE | 1840 | - | VE | 1830 | - |
| 15 | 0142 | + | 30 | 0132 | + |
| | 0715 | - | | 0705 | - |
| FR | 1322 | + | SA | 1307 | + |
| VE | 1925 | - | SA | 1910 | - |
| | | | 31 | 0207 | + |
| | | | | 0740 | - |
| | | | SU | 1347 | + |
| | | | DI | 1945 | - |

SEE NOTE ON PAGE 35.

VOIR LA NOTE A LA PAGE 35.

# Publications

***Canadian Tide and Current Tables*** - published in six volumes:

Volume 1
Atlantic Coast and Bay of Fundy

Volume 2
Gulf of St. Lawrence

Volume 3
St. Lawrence and Saguenay Rivers

Volume 4
Arctic and Hudson Bay

Volume 5
Juan de Fuca Strait and Strait of Georgia

Volume 6
Barkley Sound and Discovery Passage to Dixon Entrance.

Composite volumes are also available
Atlantic Coast - Volumes 1-4
Pacific Coast - Volumes 5 and 6

These books contain daily tide and current tables for selected Reference Ports and Current Stations, time and height differences for Secondary Ports and time differences and rates for Secondary Current Stations.

***Tides in Canadian Waters*** - an informative booklet containing an outline of the theory of tides along with descriptions and maps of the types which are found in Canadian waters.

***Water Levels*** - a yearly publication in up to three volumes containing tabulated daily mean water levels, times and heights of observed high and low water and other information pertaining to the present Canadian Hydrographic Service permanent gauges.

***Monthly and Yearly Mean Water Levels*** - a supplement to "Water Levels" issued regularly in up to two volumes containing tabulated monthly and yearly mean water levels for the full period of operation of both past and present Canadian Hydrographic Service permanent gauges. Also presented are ten-year and all-time averages of the monthly and yearly mean levels.

***Tide and Water Level Bench Marks*** - a publication, in seven volumes, containing a comprehensive list of bench marks which are referred to the datum of Canadian Hydrographic Service charts and which are located along the coasts and on the shores covered by these charts. The number or name of each bench mark is given, along with its height above chart datum, and a full description of its location. A sketch showing the position of the bench mark in relation to nearby landmarks is usually included.

# Publications

***Tables des marées et courants du Canada*** - publiées en six volumes:

Volume 1
Côte de l'Atlantique et baie de Fundy

Volume 2
Golfe du Saint-Laurent

Volume 3
Fleuve Saint-Laurent et rivière Saguenay

Volume 4
L'Arctique et la baie d'Hudson

Volume 5
Détroits de Juan de Fuca et de Georgia

Volume 6
Baie Barkley et passage Discovery jusqu'à l'entrée Dixon.

On peut se procurer ces volumes sous forme combinée
Côte Atlantique - Volumes 1-4
Côte Pacifique - Volumes 5 et 6

Ces publications renferment des tables quotidiennes des marées et des courants pour certains ports de référence et stations de référence des courants, les différences de temps et de hauteur pour les ports secondaires, ainsi que les différences de temps et les vitesses des courants pour les stations secondaires des courants.

***Les marées dans les eaux du Canada*** - brochure contenant un exposé sommaire de la théorie à propos des marées ainsi que des descriptions et des cartes des types de marées qui se produisent dans les eaux du Canada.

***Niveaux d'eau*** - publications annuelle pouvant comprendre trois volumes et donnant sous forme de tableaux les niveaux quotidiens moyens de l'eau, les heures et les hauteurs observées des pleines mers et des basses mers, ainsi que d'autres renseignements relatifs aux jauges permanentes actuellement utilisées par le Service hydrographique du Canada.

***Moyennes mensuelles et annuelles des niveaux d'eau*** - publication régulière servant de complément aux "Niveaux d'eau", pouvant comprendre deux volumes et donnant sous forme de tableaux les niveaux mensuels et annuels moyens de l'eau enregistrés pendant toute la période de fonctionnement des jauges permanentes, anciennes et actuelles, du Service hydrographique du Canada. On y donne également les moyennes des niveaux mensuels et annuels moyens de l'eau calculées pour des périodes de dix années, ainsi que pour toute la période de fonctionnement des jauges.

***Marées et niveaux de l'eau-repères de nivellement*** - publication en sept volumes donnant la liste détaillée des repères de nivellement dont l'élévation est donnée par rapport au zéro des cartes marines du Service hydrographique du Canada et qui se trouvent le long des côtes et des rivages représentés sur ces cartes. On y donne le numéro ou le nom de chaque repère, sa hauteur au-dessus du zéro des cartes et la description complète de sa posit. On inclut habituellement un croquis montrant la position du repère par rapport aux bornes situées à proximité.

Six of the volumes have the same names and geographical boundaries as the six volumes of the Canadian Tide and Current Tables. The title of the seventh volume is *Great Lakes and St. Lawrence River (non-tidal)* and its boundaries include the Canadian shores of the Great Lakes and the non-tidal part of the St. Lawrence River.

***Canadian Tidal Manual*** - an authoritative reference on the theory and procedures involved in gathering and using tide, current, and water level information during hydrographic surveys and other related activities.

***Tidal Current Atlases***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel B.C.
- Current Atlas Atlas des courants, Juan de Fuca Strait to à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Current Charts, St. Lawrence Estuary

Copies of the foregoing publications may be obtained from the Hydrographic Chart Distribution Office of the Canadian Hydrographic Service at Ottawa, Ontario (Postal Code K1G 3H6), or Sidney, British Columbia (Postal code V8L 4B2).

## Search and Rescue Service

The Master of any vessel in distress and requiring assistance or anyone with knowledge of a vessel in distress should, in addition to using any appropriate means for soliciting the needed assistance, also communicate immediately with appropriate Rescue Coordination Centre (RCC) or Marine Rescue Sub-Centre (MRSC). Distress and safety communication messages may be sent without charge through any Coast Guard Radio Station or a Vessel Traffic Systems (VTS) Centre or relayed by any Canadian Coast Guard ship.

Distress reports may be telephoned directly to the appropriate RCC or MRSC without charge by calling the operator and stating "Marine Distress".

| | | Area Code | Telephone |
|---|---|---|---|
| Newfoundland and Labrador | MRSC St. John's, Nfld. | 709 | 772-5151 |
| Atlantic Region | RCC Halifax, N.S. | 902 | 426-4730 or 1-800-565-1582 |
| St. Lawrence River | MRSC Quebec, Que. | 418 | 648-3599 or 1-800-463-4393 |
| Great Lakes Area | RCC Trenton, Ont. | 613 | 392-2811 Local 3870 or 1-800-267-7270 |
| Arctic Region | RCC Edmonton, Alta. | 403 | 973-4402 |
| West Coast | RCC Victoria, B.C. | 604 | 380-2333 or 666-8087 or 1-800-742-1313 |

These Rescue Centres maintain an up-to-date record of the location of all government ships and will direct assistance to relieve the distress situation.

V-3

De ces sept volumes, six ont le même titre et les mêmes bornes géographiques que les six volumes des Tables des marées et courants du Canada. Le denier, "*Les Grands Lacs et le fleuve Saint-Laurent (eaux sans marée)*", se rapporte aux rives canadiennes des Grands Lacs et au cours du Saint-Laurent non soumis à l'action des marées.

***Manuel canadien des marées*** - Ouvrage de référence qui fait autorité en ce qui concerne la théorie et les procédures liées à la collecte et à l'utilisation des données sur les marées, les courants et les niveaux d'eau dans le domaine des levés hydrographiques et d'autres activités connexes.

***Atlas des courants de marée***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel, B.C.
- Current Atlas Atlas des courants, Juan de Fuca Strait to à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Currents Charts, St Lawrence Estuary

Des exemplaires des publications mentionnées ci-dessus peuvent être obtenus après du Bureau de distribution des cartes hydrographiques du Service hydrographique du Canada, à Ottawa, Ontario (code postal K1G 3H6), ou à Sidney, Colombie-Britannique (code postal V8L 4B2).

## Service recherche et sauvetage

Tout capitaine de navire en détresse requérant de l'aide ou toute personne ayant connaissance d'un navire en détresse devrait, en plus d'utiliser toute méthode appropriée à l'obtention de l'assistance nécessaire, communiquer immédiatement avec le Centre de coordination du sauvetage (CCS) ou le Centre secondaire du sauvetage maritime (CSSM) le plus rapproché. Les messages de détresse et de communication sur la securité peuvent être envoyés, sans frais, par l'intermédiaire de toute station de radio de la Garde côtière ou d'un Centre de systèmes du trafic maritime (STM) ou encore relayés par tout navire de la Garde côtière canadienne.

On peut téléphoner directement et sans frais au CCS ou au CSSM le plus rapprochée en appelant le téléphoniste et en lui mentionnant "Détresse maritime".

| | | Indicatif régional | N° de téléphone |
|---|---|---|---|
| Terre-Neuve et Labrador | CSSM St. John's, T.-N. | 709 | 772-5151 |
| Région de l'Atlantique | CCS Halifax, N.-É. | 902 | 426-4730 ou 1-800-565-1582 |
| Fleuve Saint-Laurent | CSSM Québec, QC | 418 | 648-3599 ou 1-800-463-4393 |
| Zone des Grands Lacs | CCS Trenton, Ont. | 613 | 392-2811 Poste 3870 ou 1-800-267-7270 |
| Région de l'Arctique | CCS Edmonton, Alta. | 403 | 973-4402 |
| Côte Ouest | CCS Victoria, C.-B. | 604 | 380-2333 ou 666-8087 ou 1-800-742-1313 |

Ces centres de sauvetage sont sans cesse informés de la position de tous les navires du gouvernement canadien en mesure d'apporter du secours et de mettre fin à la situation de détresse.

## Canadian Supplementary Predictions

Hourly tide or current predictions can be supplied for all reference ports or current stations in this book. High and low or hourly tide predictions can also be supplied for most secondary ports in table 3 except for those which the height of "mean water level" is omitted. The hourly predictions are available with either English or French headings and in feet or metres, and knots, while the high and low predictions are available with bilingual headings and in feet or metres. The predictions are normally supplied in the form of computer listings, however selected computer compatible formats are also available. Standard fees are charged for the preparation of supplementary predictions. A schedule of these fees is available upon request.

While this service is intended principally for harbour or pilotage authorities, fleet operators, engineers, etc. who may have a specific requirement for custom predictions, it is available to anyone with a need for it. The right is reserved to modify the service, and to adjust the prediction fee, at any time, without further notice.

These predictions, which are prepared for the convenience of users, are supplements to, and not replacements for the Canadian Tide and Current Tables, which are the official tidal predictions for Canada.

Requests for this Service, specifying the index number and the name of the port or station, and the period and options selected, should be made to:

**Canadian Hydrographic Service**
**Department of Fisheries and Oceans**

**at:** **Dartmouth, N.S.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, B.C.**
**V8L 4B2**

**or to:** **Marine Environmental Data Service**
**Science**
**Department of Fisheries and Oceans**
**Ottawa, Ontario K1A 0E6**

## Prédictions supplémentaires canadiennes

Les prédictions horaires de la marée ou du courant peuvent être fournies pour tous les ports de référence ou toutes les stations de référence des courants mentionnées dans la présente publication. Les prédictions des marées basses et hautes aussi bien que les prédictions horaires peuvent également être données pour la plupart des ports secondaires énumérés à la table 3, exception faite de ceux dont le niveau moyen de l'eau n'est pas indiqué. Les prédictions horaires sont disponibles en anglais ou en français avec indications en pieds ou en mètres et en noeuds. Les prédictions des marées basses et hautes sont dans un version bilingue, avec indications en pieds ou en mètres. Les prédictions sont normalement fournies sous forme d'imprimés d'ordinateur, cependant certains autres formats générés par ordinateur sont aussi disponibles. Des droits seront perçus pour les prédictions supplémentaires. Un barème est disponible sur demande.

Bien que ce service soit principalement réservé aux autorités portuaires, aux administrations du pilotage, aux transporteurs maritimes, aux ingénieurs, etc., qui peuvent avoir un besoin particulier de faire des prédictions à des fins précises, il est accessible à toute personne intéressée. Nous nous réservons le droit de le modifier, à tout moment et sans préavis, ainsi que le montant du droit.

Préparées à l'intention des utilisateurs, ces prédictions complètent mais ne remplacent pas les Tables des marées et courants du Canada, qui constituent les prédictions officielles des marées au Canada.

Les demandes, avec indication du numéro d'index et du nom du port ou de la station, et de la période, et des options devraient être adressées au:

**Service hydrographique du Canada**
**Ministère des Pêches et des Océans**

**à** **Dartmouth, N.-É.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, C.-B.**
**V8L 4B2**

**ou au** **Service des données sur le milieu marin**
**Science**
**Ministère des Pêches et des Océans**
**Ottawa, Ontario K1A 0E6**

# CONVERSION TABLE

# TABLE DE CONVERSION

## FEET TO METRES

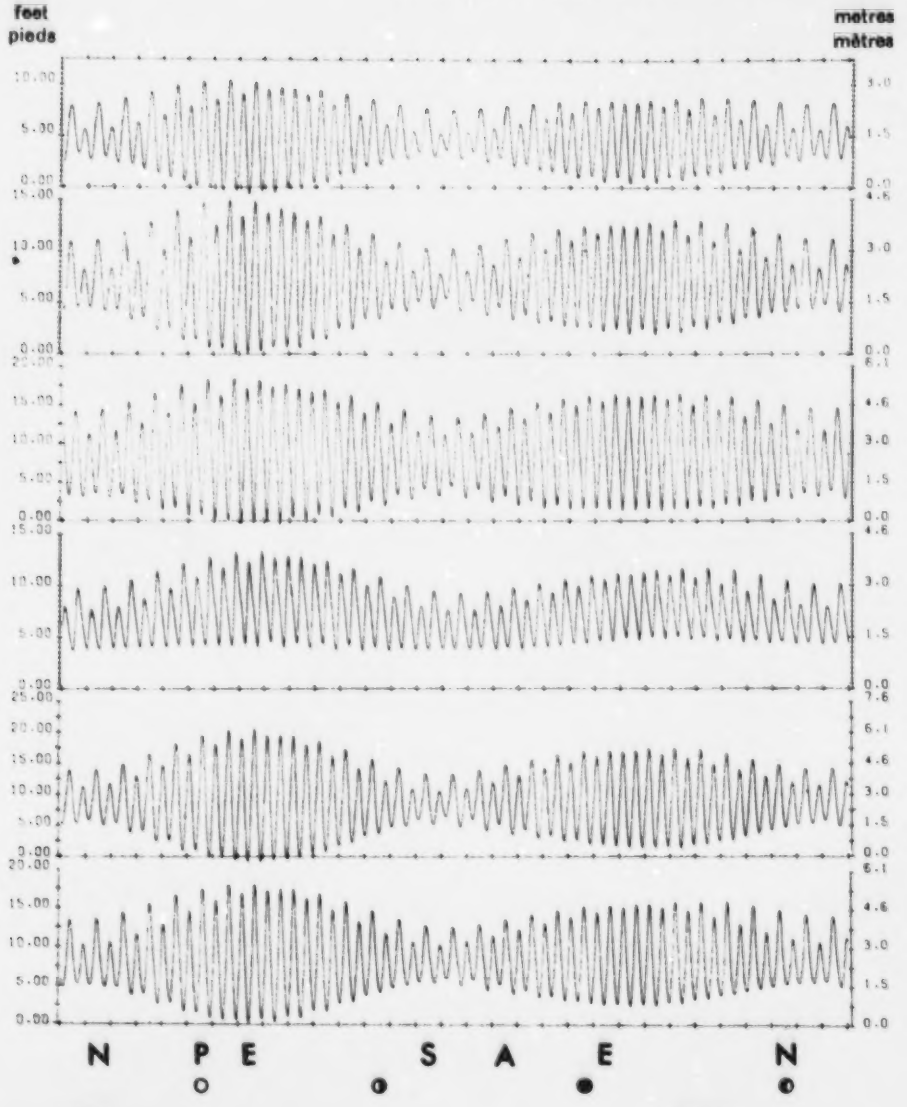
## PIEDS EN METRES

| Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres | Feet | Metres | Pieds | Metres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.1 | 0.03 | 6.1 | 1.86 | 12.1 | 3.69 | 18.1 | 5.52 | 24.1 | 7.35 | 30.1 | 9.17 | 36.1 | 11.00 | 42.1 | 12.83 |
| 0.2 | 0.06 | 6.2 | 1.89 | 12.2 | 3.72 | 18.2 | 5.55 | 24.2 | 7.38 | 30.2 | 9.21 | 36.2 | 11.03 | 42.2 | 12.86 |
| 0.3 | 0.09 | 6.3 | 1.92 | 12.3 | 3.75 | 18.3 | 5.58 | 24.3 | 7.41 | 30.3 | 9.24 | 36.3 | 11.06 | 42.3 | 12.89 |
| 0.4 | 0.12 | 6.4 | 1.95 | 12.4 | 3.78 | 18.4 | 5.61 | 24.4 | 7.44 | 30.4 | 9.27 | 36.4 | 11.09 | 42.4 | 12.92 |
| 0.5 | 0.15 | 6.5 | 1.98 | 12.5 | 3.81 | 18.5 | 5.64 | 24.5 | 7.47 | 30.5 | 9.30 | 36.5 | 11.13 | 42.5 | 12.95 |
| 0.6 | 0.18 | 6.6 | 2.01 | 12.6 | 3.84 | 18.6 | 5.67 | 24.6 | 7.50 | 30.6 | 9.33 | 36.6 | 11.16 | 42.6 | 12.98 |
| 0.7 | 0.21 | 6.7 | 2.04 | 12.7 | 3.87 | 18.7 | 5.70 | 24.7 | 7.53 | 30.7 | 9.36 | 36.7 | 11.19 | 42.7 | 13.01 |
| 0.8 | 0.24 | 6.8 | 2.07 | 12.8 | 3.90 | 18.8 | 5.73 | 24.8 | 7.56 | 30.8 | 9.39 | 36.8 | 11.22 | 42.8 | 13.05 |
| 0.9 | 0.27 | 6.9 | 2.10 | 12.9 | 3.93 | 18.9 | 5.76 | 24.9 | 7.59 | 30.9 | 9.42 | 36.9 | 11.25 | 42.9 | 13.08 |
| 1.0 | 0.30 | 7.0 | 2.13 | 13.0 | 3.96 | 19.0 | 5.79 | 25.0 | 7.62 | 31.0 | 9.45 | 37.0 | 11.28 | 43.0 | 13.11 |
| 1.1 | 0.34 | 7.1 | 2.16 | 13.1 | 3.99 | 19.1 | 5.82 | 25.1 | 7.65 | 31.1 | 9.48 | 37.1 | 11.31 | 43.1 | 13.14 |
| 1.2 | 0.37 | 7.2 | 2.19 | 13.2 | 4.02 | 19.2 | 5.85 | 25.2 | 7.68 | 31.2 | 9.51 | 37.2 | 11.34 | 43.2 | 13.17 |
| 1.3 | 0.40 | 7.3 | 2.22 | 13.3 | 4.05 | 19.3 | 5.88 | 25.3 | 7.71 | 31.3 | 9.54 | 37.3 | 11.37 | 43.3 | 13.20 |
| 1.4 | 0.43 | 7.4 | 2.25 | 13.4 | 4.08 | 19.4 | 5.91 | 25.4 | 7.74 | 31.4 | 9.57 | 37.4 | 11.40 | 43.4 | 13.23 |
| 1.5 | 0.46 | 7.5 | 2.29 | 13.5 | 4.11 | 19.5 | 5.94 | 25.5 | 7.77 | 31.5 | 9.60 | 37.5 | 11.43 | 43.5 | 13.26 |
| 1.6 | 0.49 | 7.6 | 2.32 | 13.6 | 4.15 | 19.6 | 5.97 | 25.6 | 7.80 | 31.6 | 9.63 | 37.6 | 11.46 | 43.6 | 13.29 |
| 1.7 | 0.52 | 7.7 | 2.35 | 13.7 | 4.18 | 19.7 | 6.00 | 25.7 | 7.83 | 31.7 | 9.66 | 37.7 | 11.49 | 43.7 | 13.32 |
| 1.8 | 0.55 | 7.8 | 2.38 | 13.8 | 4.21 | 19.8 | 6.03 | 25.8 | 7.86 | 31.8 | 9.69 | 37.8 | 11.52 | 43.8 | 13.35 |
| 1.9 | 0.58 | 7.9 | 2.41 | 13.9 | 4.24 | 19.9 | 6.07 | 25.9 | 7.89 | 31.9 | 9.72 | 37.9 | 11.55 | 43.9 | 13.38 |
| 2.0 | 0.61 | 8.0 | 2.44 | 14.0 | 4.27 | 20.0 | 6.10 | 26.0 | 7.92 | 32.0 | 9.75 | 38.0 | 11.58 | 44.0 | 13.41 |
| 2.1 | 0.64 | 8.1 | 2.47 | 14.1 | 4.30 | 20.1 | 6.13 | 26.1 | 7.95 | 32.1 | 9.78 | 38.1 | 11.61 | 44.1 | 13.44 |
| 2.2 | 0.67 | 8.2 | 2.50 | 14.2 | 4.33 | 20.2 | 6.15 | 26.2 | 7.99 | 32.2 | 9.81 | 38.2 | 11.64 | 44.2 | 13.47 |
| 2.3 | 0.70 | 8.3 | 2.53 | 14.3 | 4.36 | 20.3 | 6.19 | 26.3 | 8.02 | 32.3 | 9.84 | 38.3 | 11.67 | 44.3 | 13.50 |
| 2.4 | 0.73 | 8.4 | 2.56 | 14.4 | 4.39 | 20.4 | 6.22 | 26.4 | 8.05 | 32.4 | 9.88 | 38.4 | 11.70 | 44.4 | 13.53 |
| 2.5 | 0.76 | 8.5 | 2.59 | 14.5 | 4.42 | 20.5 | 6.25 | 26.5 | 8.08 | 32.5 | 9.91 | 38.5 | 11.73 | 44.5 | 13.56 |
| 2.6 | 0.79 | 8.6 | 2.62 | 14.6 | 4.45 | 20.6 | 6.28 | 26.6 | 8.11 | 32.6 | 9.94 | 38.6 | 11.76 | 44.6 | 13.59 |
| 2.7 | 0.82 | 8.7 | 2.65 | 14.7 | 4.48 | 20.7 | 6.31 | 26.7 | 8.14 | 32.7 | 9.97 | 38.7 | 11.80 | 44.7 | 13.62 |
| 2.8 | 0.85 | 8.8 | 2.68 | 14.8 | 4.51 | 20.8 | 6.34 | 26.8 | 8.17 | 32.8 | 10.00 | 38.8 | 11.83 | 44.8 | 13.65 |
| 2.9 | 0.88 | 8.9 | 2.71 | 14.9 | 4.54 | 20.9 | 6.37 | 26.9 | 8.20 | 32.9 | 10.03 | 38.9 | 11.86 | 44.9 | 13.69 |
| 3.0 | 0.91 | 9.0 | 2.74 | 15.0 | 4.57 | 21.0 | 6.40 | 27.0 | 8.23 | 33.0 | 10.06 | 39.0 | 11.89 | 45.0 | 13.72 |
| 3.1 | 0.94 | 9.1 | 2.77 | 15.1 | 4.60 | 21.1 | 6.43 | 27.1 | 8.26 | 33.1 | 10.09 | 39.1 | 11.92 | 45.1 | 13.75 |
| 3.2 | 0.97 | 9.2 | 2.80 | 15.2 | 4.63 | 21.2 | 6.46 | 27.2 | 8.29 | 33.2 | 10.12 | 39.2 | 11.95 | 45.2 | 13.78 |
| 3.3 | 1.00 | 9.3 | 2.83 | 15.3 | 4.66 | 21.3 | 6.49 | 27.3 | 8.32 | 33.3 | 10.15 | 39.3 | 11.98 | 45.3 | 13.81 |
| 3.4 | 1.04 | 9.4 | 2.86 | 15.4 | 4.69 | 21.4 | 6.52 | 27.4 | 8.35 | 33.4 | 10.18 | 39.4 | 12.01 | 45.4 | 13.84 |
| 3.5 | 1.07 | 9.5 | 2.89 | 15.5 | 4.72 | 21.5 | 6.55 | 27.5 | 8.38 | 33.5 | 10.21 | 39.5 | 12.03 | 45.5 | 13.87 |
| 3.6 | 1.10 | 9.6 | 2.93 | 15.6 | 4.75 | 21.6 | 6.58 | 27.6 | 8.41 | 33.6 | 10.24 | 39.6 | 12.07 | 45.6 | 13.90 |
| 3.7 | 1.13 | 9.7 | 2.96 | 15.7 | 4.79 | 21.7 | 6.61 | 27.7 | 8.44 | 33.7 | 10.27 | 39.7 | 12.10 | 45.7 | 13.93 |
| 3.8 | 1.16 | 9.8 | 2.99 | 15.8 | 4.82 | 21.8 | 6.64 | 27.8 | 8.47 | 33.8 | 10.30 | 39.8 | 12.13 | 45.8 | 13.96 |
| 3.9 | 1.19 | 9.9 | 3.02 | 15.9 | 4.85 | 21.9 | 6.67 | 27.9 | 8.50 | 33.9 | 10.33 | 39.9 | 12.16 | 45.9 | 13.99 |
| 4.0 | 1.22 | 10.0 | 3.05 | 16.0 | 4.88 | 22.0 | 6.70 | 28.0 | 8.53 | 34.0 | 10.36 | 40.0 | 12.19 | 46.0 | 14.02 |
| 4.1 | 1.25 | 10.1 | 3.08 | 16.1 | 4.91 | 22.1 | 6.74 | 28.1 | 8.56 | 34.1 | 10.39 | 40.1 | 12.22 | 46.1 | 14.05 |
| 4.2 | 1.28 | 10.2 | 3.11 | 16.2 | 4.94 | 22.2 | 6.77 | 28.2 | 8.59 | 34.2 | 10.42 | 40.2 | 12.25 | 46.2 | 14.08 |
| 4.3 | 1.31 | 10.3 | 3.14 | 16.3 | 4.97 | 22.3 | 6.80 | 28.3 | 8.63 | 34.3 | 10.45 | 40.3 | 12.28 | 46.3 | 14.11 |
| 4.4 | 1.34 | 10.4 | 3.17 | 16.4 | 5.00 | 22.4 | 6.83 | 28.4 | 8.66 | 34.4 | 10.48 | 40.4 | 12.31 | 46.4 | 14.14 |
| 4.5 | 1.37 | 10.5 | 3.20 | 16.5 | 5.03 | 22.5 | 6.86 | 28.5 | 8.69 | 34.5 | 10.52 | 40.5 | 12.34 | 46.5 | 14.17 |
| 4.6 | 1.40 | 10.6 | 3.23 | 16.6 | 5.06 | 22.6 | 6.89 | 28.6 | 8.72 | 34.6 | 10.55 | 40.6 | 12.37 | 46.6 | 14.20 |
| 4.7 | 1.43 | 10.7 | 3.26 | 16.7 | 5.09 | 22.7 | 6.92 | 28.7 | 8.75 | 34.7 | 10.58 | 40.7 | 12.41 | 46.7 | 14.23 |
| 4.8 | 1.46 | 10.8 | 3.29 | 16.8 | 5.12 | 22.8 | 6.95 | 28.8 | 8.78 | 34.8 | 10.61 | 40.8 | 12.44 | 46.8 | 14.26 |
| 4.9 | 1.49 | 10.9 | 3.32 | 16.9 | 5.15 | 22.9 | 6.98 | 28.9 | 8.81 | 34.9 | 10.64 | 40.9 | 12.47 | 46.9 | 14.29 |
| 5.0 | 1.52 | 11.0 | 3.35 | 17.0 | 5.18 | 23.0 | 7.01 | 29.0 | 8.84 | 35.0 | 10.67 | 41.0 | 12.50 | 47.0 | 14.33 |
| 5.1 | 1.55 | 11.1 | 3.38 | 17.1 | 5.21 | 23.1 | 7.04 | 29.1 | 8.87 | 35.1 | 10.70 | 41.1 | 12.53 | 47.1 | 14.36 |
| 5.2 | 1.58 | 11.2 | 3.41 | 17.2 | 5.24 | 23.2 | 7.07 | 29.2 | 8.90 | 35.2 | 10.73 | 41.2 | 12.56 | 47.2 | 14.39 |
| 5.3 | 1.61 | 11.3 | 3.44 | 17.3 | 5.27 | 23.3 | 7.10 | 29.3 | 8.93 | 35.3 | 10.76 | 41.3 | 12.59 | 47.3 | 14.42 |
| 5.4 | 1.64 | 11.4 | 3.47 | 17.4 | 5.30 | 23.4 | 7.13 | 29.4 | 8.96 | 35.4 | 10.79 | 41.4 | 12.62 | 47.4 | 14.45 |
| 5.5 | 1.68 | 11.5 | 3.51 | 17.5 | 5.33 | 23.5 | 7.16 | 29.5 | 8.99 | 35.5 | 10.82 | 41.5 | 12.65 | 47.5 | 14.48 |
| 5.6 | 1.71 | 11.6 | 3.54 | 17.6 | 5.36 | 23.6 | 7.19 | 29.6 | 9.02 | 35.6 | 10.85 | 41.6 | 12.68 | 47.6 | 14.51 |
| 5.7 | 1.74 | 11.7 | 3.57 | 17.7 | 5.39 | 23.7 | 7.22 | 29.7 | 9.05 | 35.7 | 10.88 | 41.7 | 12.71 | 47.7 | 14.54 |
| 5.8 | 1.77 | 11.8 | 3.60 | 17.8 | 5.43 | 23.8 | 7.25 | 29.8 | 9.08 | 35.8 | 10.91 | 41.8 | 12.74 | 47.8 | 14.57 |
| 5.9 | 1.80 | 11.9 | 3.63 | 17.9 | 5.46 | 23.9 | 7.28 | 29.9 | 9.11 | 35.9 | 10.94 | 41.9 | 12.77 | 47.9 | 14.60 |
| 6.0 | 1.83 | 12.0 | 3.66 | 18.0 | 5.49 | 24.0 | 7.31 | 30.0 | 9.14 | 36.0 | 10.97 | 42.0 | 12.80 | 48.0 | 14.63 |

V-3

# Typical Tidal Curves

# Courbes Typiques des Marées



## METRIC CONVERSION IN CANADA

In accordance with the policy of the Federal Government, as outlined in its "White Paper on Metric Conversion in Canada," the Canadian Hydrographic Service has commenced issuing metric charts. During the initial transitional period when both existing charts in feet and fathoms and new charts in metric units are in regular use, the Canadian tide and current tables will contain tidal height predictions in both feet and metres. The "heights in feet" columns are shaded to distinguish them from the "heights in metres" columns. The secondary ports tables, calculation tables, samples, etc., will remain in feet.

## LA CONVERSION AU SYSTÈME MÉTRIQUE AU CANADA

Conformément à la politique du gouvernement fédéral énoncée dans son "Livre blanc sur la conversion au système métrique au Canada," le Service hydrographique du Canada a commencé à publier des cartes métriques. Pendant la période de transition où les deux types de cartes seront en usage régulier, c'est-à-dire les cartes existantes en pieds ou en brasses et les nouvelles cartes en unitée métriques, les tables de courants et des marées du Canada indiqueront les prévisions de la hauteur des marées à la fois en mètres et en pieds. Les colonnes indiquant les hauteurs en pieds seront ombrées pour les distinguer des colonnes indiquant les hauteurs en mètres. Les tables des ports secondaires, les tables de calcul, les exemples, etc. resteront en pieds.

## NOTES REFERRING TO DAILY TABLES

Traverse de Saint-Roch

(+) Flood begins, low water slack
(−) Ebb begins, high water slack

The predictions give the time of turn and direction of the current in the Lower Shoal. To find the time of the turn of the current in the Upper Shoal, subtract 22 minutes at high water slack and subtract 5 minutes at low water slack from the time given in the tables.

## NOTES RELATIVES AUX TABLES QUOTIDIENNES

Traverse de Saint-Roch

(+) Le flot commence, étale de basse mer
(−) Le jusant commence, étale de pleine mer

Les prédictions donnent l'heure du changement et la direction du courant au Haut-fond aval. Pour trouver l'heure du changement du courant au Haut-fond amont, soustraire 22 minutes à l'étale de pleine mer et soustraire 5 minutes à l'étale de basse mer de l'heure donnée dans les tables ci-dessus.

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**TRAVERSE DE SAINT-ROCH** —


*Names in capital letters indicate reference ports or current stations for which daily predictions are given.

*Les noms en majuscules indiquent les ports de référence ou stations de courant pour lesquels on donne des prédictions quotidiennes.

# 1989

| SUN | MON | TUE | WED | THU | FRI | SAT |
|---|---|---|---|---|---|---|
| DIM | LUN | MAR | MER | JEU | VEN | SAM |

### January - Janvier

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6S | ● |
| 8 | 9 | 10P | 11 | 12E | 13 | ◐ |
| 15 | 16 | 17 | 18N | 19 | 20 | ○ |
| 22 | 23 | 24 | 25 | 26AE | 27 | 28 |
| ◑ | 30 | 31 | | | | |

### February - Février

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 1 | 2S | 3 | 4 |
| 5 | ● | 7P | 8E | 9 | 10 | 11 |
| ◐ | 13 | 14 | 15N | 16 | 17 | 18 |
| 19 | ○ | 21 | 22E | 23A | 24 | 25 |
| 26 | 27 | ◑ | | | | |

### March - Mars

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 1S | 2 | 3 | 4 |
| 5 | 6 | ● | 8PE | 9 | 10 | 11 |
| 12 | 13 | ◐N | 15 | 16 | 17 | 18 |
| 19 | 20 | 21E | ○A | 23 | 24 | 25 |
| 26 | 27 | 28 | 29S | ◑ | 31 | |

### April - Avril

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4E | ●P | 6 | 7 | 8 |
| 9 | 10N | 11 | ◐ | 13 | 14 | 15 |
| 16 | 17E | 18A | 19 | ○ | 21 | 22 |
| 23 | 24 | 25S | 26 | 27 | ◑ | 29 |
| 30 | | | | | | |

### May - Mai

| | | | | | | |
|---|---|---|---|---|---|---|
| | 1E | 2 | 3P | 4 | ● | 6 |
| 7 | 8N | 9 | 10 | 11 | ◐ | 13 |
| 14 | 15E | 16A | 17 | 18 | 19 | ○ |
| 21 | 22S | 23 | 24 | 25 | 26 | ◑ |
| 28 | 29E | 30 | 31P | | | |

### June - Juin

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | ● |
| 4N | 5 | 6 | 7 | 8 | 9 | 10 |
| ◐E | 12A | 13 | 14 | 15 | 16 | 17 |
| 18S | ○ | 20 | 21 | 22 | 23 | 24 |
| 25E | ◑ | 27P | 28 | 29 | 30 | |

### July - Juillet

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | 1N |
| ● | 3 | 4 | 5 | 6 | 7 | 8E |
| 9 | ◐A | 11 | 12 | 13 | 14 | 15 |
| 16S | 17 | ○ | 19 | 20 | 21 | 22E |
| 23P | 24 | ◑ | 26 | 27 | 28 | 29N |
| 30 | 31 | | | | | |

### August - Août

| | | | | | | |
|---|---|---|---|---|---|---|
| | | ● | 2 | 3 | 4 | 5E |
| 6 | 7A | 8 | ◐ | 10 | 11 | 12S |
| 13 | 14 | 15 | ○ | 17 | 18E | 19P |
| 20 | 21 | 22 | ◑ | 24 | 25N | 26 |
| 27 | 28 | 29 | ● | 31 | | |

### September - Septembre

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | 1E | 2 |
| 3 | 4A | 5 | 6 | 7 | ◐S | 9 |
| 10 | 11 | 12 | 13 | 14 | ○E | 16P |
| 17 | 18 | 19 | 20 | ◑N | 22 | 23 |
| 24 | 25 | 26 | 27 | 28E | ● | 30 |

### October - Octobre

| | | | | | | |
|---|---|---|---|---|---|---|
| 1A | 2 | 3 | 4 | 5 | 6S | ◐ |
| 8 | 9 | 10 | 11 | 12E | 13 | ○P |
| 15 | 16 | 17 | 18N | 19 | 20 | ◑ |
| 22 | 23 | 24 | 25E | 26 | 27 | 28A |
| ● | 30 | 31 | | | | |

### November - Novembre

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 1 | 2S | 3 | 4 |
| 5 | ◐ | 7 | 8 | 9E | 10 | 11 |
| ○P | 13 | 14 | 15N | 16 | 17 | 18 |
| ◑ | 20 | 21 | 22E | 23 | 24A | 25 |
| 26 | 27 | ● | 29S | 30 | | |

### December - Décembre

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | ◐ | 6E | 7 | 8 | 9 |
| 10P | 11 | ○N | 13 | 14 | 15 | 16 |
| 17 | 18 | ◑E | 20 | 21 | 22A | 23 |
| 24 | 25 | 26S | ● | 28 | 29 | 30 |
| 31 | | | | | | |

**LEGEND**
- ● new moon
- ◐ first quarter
- ○ full moon
- ◑ last quarter
- A - moon in apogee
- P - moon in perigee
- E - moon on equator
- N - moon farthest north of equator
- S - moon farthest south of equator

**LEGENDE**
- ● nouvelle lune
- ◐ premier quartier
- ○ plein lune
- ◑ dernier quartier
- A - apogée
- P - périgée
- E - lune à l'équateur
- N - position la plus au nord
- S - position la plus au sud

# Canadian Tide and Current Tables

# 1989

Volume 4
Arctic and Hudson Bay

# Tables des marées et courants du Canada

# 1989

Volume 4
L'Arctique et la baie d'Hudson

Fisheries and Oceans
Pêches et Océans

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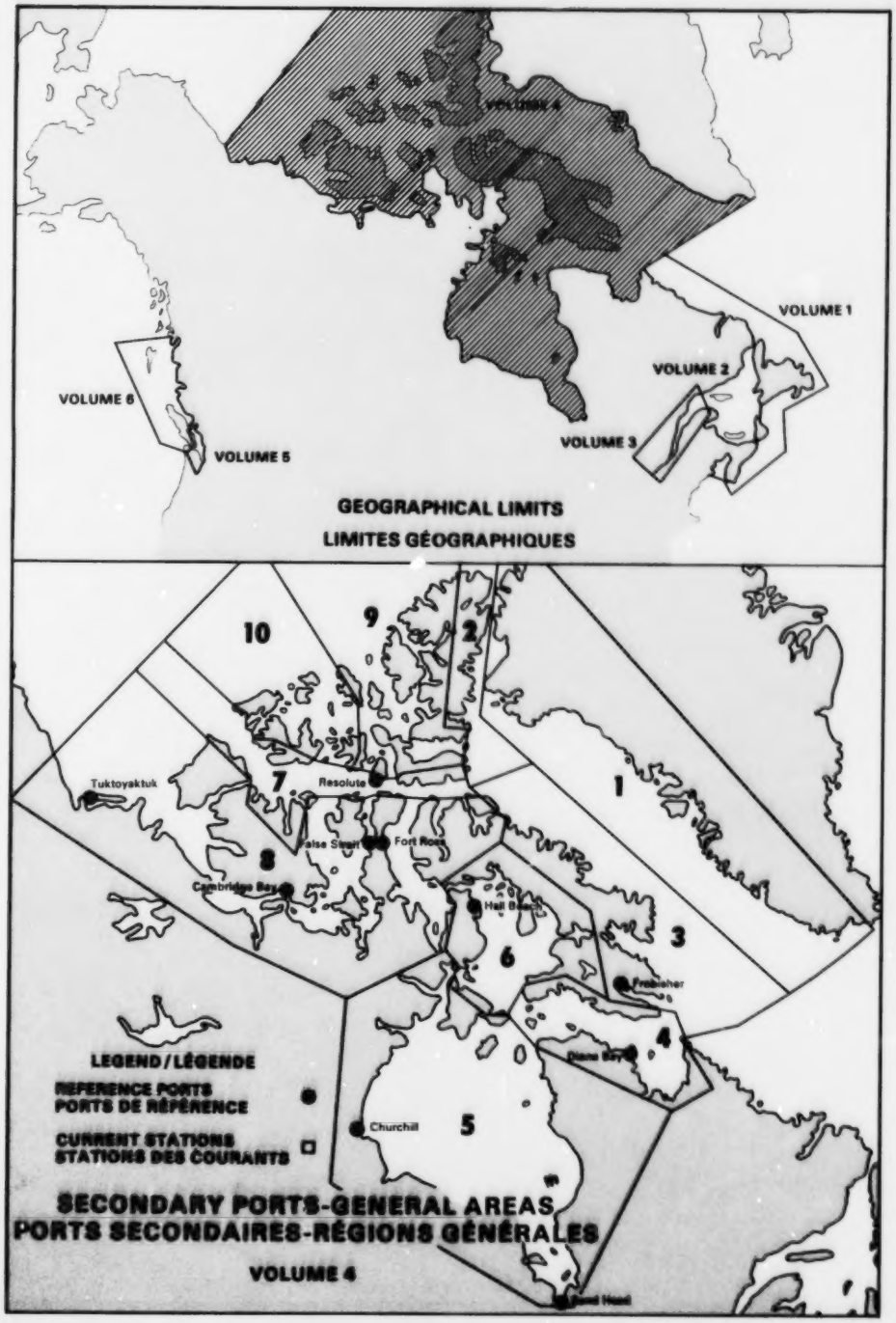
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STATIONS DES COURANTS
SECONDARY PORTS-GENERAL AREAS
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VOLUME 4

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# 1989

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These tables are published under the authority of the Canadian Hydrographic Service, through the Chief, Tides, Currents and Water Levels.

Les tables sont publiées avec l'autorisation du Service hydrographique du Canada par le chef, Marées, courants et niveaux de l'eau.

# Introduction

## PRACTICAL INFORMATION

### Tide Tables

Times and heights are predicted and tabulated as daily tables for all reference ports. The "heights in feet" columns are shaded to distinguish them from the "heights in metres" columns.

### Current Tables*

The times and rates of maximum current velocity, or the time of slack water when the direction of the current turns, are predicted and tabulated as daily tables for all current stations. Fluctuations in the horizontal movement of water due to meteorological conditions may prolong the duration and increase the flow of the current in one direction and have the opposite effect when the direction is reversed. The current may, therefore, not turn exactly when predicted, but at these times the rate will be relatively weak.

Throughout these tables current directions are indicated by (+) when the tidal stream is setting toward an area of rising tide or (−) when setting toward an area of falling tide.

### Maps

The upper map on the inside front cover shows the boundaries and the numbers of all the volumes in the Canadian Tide and Current Table series.

The lower map denotes the general areas in which the secondary ports are grouped. These areas are numbered consecutively signifying the geographical sequence of reference and secondary ports throughout the volume. This map also indicates the locations of the reference ports and current stations.

### Areas and Localities

In Table 3, Secondary Ports Information and Tidal Differences, each general area title includes a descriptive name in addition to its consecutive number. This facilitates locating each area and all the data available.

Within these general areas, all secondary ports are arranged and listed by locality.

### Geographical Names and Co-ordinates

Throughout these tables the names given for reference and secondary ports are, as far as possible, those approved by the Canadian Permanent Committee on Geographical Names.

The geographical co-ordinates listed in Tables 1, 2 and 3 are those of the original tide gauge locations and should be used whenever their precise positions are required. The geographical names associated with those co-ordinates have been selected from the nearest prominent place or physical feature. Hence, the geographical co-ordinates and names may not relate exactly to each other.

*Not applicable to *Arctic and Hudson Bay.*

### Instructions and Examples

Instructions and examples are given which show the method to be used to predict the times and heights at secondary ports, and to calculate intermediate times and heights at both reference and secondary ports. Fictitious information is used throughout these examples.

### Definitions

*Reference Ports or Reference Current Stations* are those for which predictions are published in the form of daily tables for either times and heights or times of turns and maximum current velocities and maximum rates.

*Secondary Ports or Secondary Current Stations* are those for which differences are published for either times and heights or times of turns.

*Differences* are the adjustments which are applied to the predictions at a reference port or reference current station to obtain predictions at a secondary port or secondary current station.

*Time Zones* of predictions for reference and secondary ports are usually in the standard time kept in that area. It is indicated in the heading of the daily prediction tables by the suffix (Z) after each name, accompanied by the initials and numbers of the zone, and by the figure in the time zone column of Tables 1 and 3. The (+) sign indicates that by adding to standard time the number of hours corresponding to the time zone, Greenwhich Mean Time is obtained.

The standard time zones represented by these initials and figures are as follows:

| | | |
|---|---|---|
| N.S.T. | Z+3½ | Newfoundland Standard Time |
| A.S.T. | Z+4 | Atlantic Standard Time |
| E.S.T. | Z+5 | Eastern Standard Time |
| C.S.T. | Z+6 | Central Standard Time |
| M.S.T. | Z+7 | Mountain Standard Time |
| P.S.T. | Z+8 | Pacific Standard Time |

To convert predictions into daylight time, add one hour.

*Datum* of predictions for both reference and secondary ports is, unless otherwise stated, the same as Chart Datum in that area. Chart Datum is, by international agreement, a plane below which the tide will seldom fall. The Canadian Hydrographic Service has adopted the plane of lowest normal tides as Chart Datum.

*Height of tide* is the vertical distance between the surface of the sea and Chart Datum. The total depth of water is found by adding the height of tide to the charted depth. For example, at a place where the chart shows 5 metres and the predicted high water height is 2 metres, then the actual depth over the seabed at high water will be 7 metres.

In the case of some ports which are not navigable at low water and where vessels rest on keel blocks, or mattresses, during low tide, the heights of the tide are measured from those keel blocks or mattresses.

*Mean tide range* is the difference between the heights of higher high water and lower low water at mean tides.

*Large tide range* is the difference between the heights of higher high water and lower low water at large tides.

*Mean water level* is the height above Chart Datum of the mean of all hourly observations used for the tidal analysis at that particular place.

### Tidal Data on Canadian Hydrographic Service Charts

Most charts published by the Canadian Hydrographic Service include datum and, if appropriate, tidal information. The tidal information panel contains, for specified places, the heights of higher high water and lower low water at mean and large tides. These heights are referred to Chart Datum. This information is intended as a guide to the approximate height of tide at these places. If more accurate predictions are required the tide tables should be consulted.

The elevation of mean water level is also given in the panel. This should not be confused with Canadian Geodetic Datum as the value of mean water level may change with time.

### Additional Information

These tables contain the latest information available prior to going to press. Additional information or amendments which become available before the 1st of November of the previous year will be published in Canadian *Notices to Mariners*, Weekly Edition No. 46. Any later amendments will be published in *Notices to Mariners*, as required.

### Revisions

To facilitate the revision and improve the accuracy or utility of these tables, mariners, harbour authorities, surveyors, engineers and all other users are invited to submit information relative to any of the following: misprints, appreciable variations between predicted and observed tide levels, extreme tide levels, improvements to the tables and details of privately operated automatic tide gauges.

*Note: The Canadian Hydrographic Service will supply, on request, information concerning the installation and operation of automatic tide gauges.*

All communications should be addressed to the Canadian Hydrographic Service, Ottawa, Ont., or to the regional offices in Dartmouth, N.S., Québec, QC, Burlington, Ont., or Sidney, B.C.

### Acknowledgements

These tables and predictions for Canadian waters have been prepared by the Marine Environmental Data Service, Marine Sciences and Information Directorate, Ocean Science and Surveys. Where appropriate, predictions for United States waters have been obtained from the United States Department of Commerce under an international reciprocal agreement.

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## THEORETICAL INFORMATION

### Types of Tide

*Semi-diurnal tide (SD)* — Two complete tidal oscillations daily, both high waters having similar heights as well as both low waters. The two high waters of the day follow the upper and lower transits of the moon by nearly the same interval.

*Mixed, mainly semi-diurnal tide (MSD)* — Two complete tidal oscillations daily with inequalities both in height and time reaching the greatest values when the declination of the moon has passed its maximum.

*Mixed, mainly diurnal tide (MD)* — Usually, and certainly when the moon has low declination, there are two complete tidal oscillations daily. The inequalities in the heights of successive high or low waters and the corresponding time intervals are very marked.

*Diurnal tide (D)* — One complete tidal oscillation daily.

### Accuracy of Predictions

*Reference Ports* — The accuracy of the predictions for reference ports depends on the quantity and quality of the tidal constants used to compute them. These in turn are directly related to the length of the period of observations used in the tidal analysis from which the constants were derived. Whenever the period of record permits, observations extending over at least one year are used.

*Secondary Ports* — The accuracy of the tidal differences for secondary ports also depends on the quality of the tidal constants used to compute them, as described for reference ports. In most cases, however, the period of observations does not extend over one month and may be less. Their quality is, therefore, affected by the amount the tide levels fluctuated from normal, during that period, on account of meteorological conditions.

In addition, their accuracy is very dependent on the similarity between the characteristics of the tide at the secondary and reference ports. The tides at no two places in the world are identical so that even when their characteristics are similar, the secondary port predictions made by applying tidal differences can never be considered as accurate as the full predictions made for a reference port.

For practical reasons, however, every effort has been made to compare reference and secondary ports which have similar tidal characteristics. Because of the relatively small number of reference ports available this has not always been possible. However, the inaccuracies thus created are usually less than those caused by fluctuations in the tide levels due to meteorological conditions.

### Meteorological Effects on Tide Levels

The predicted levels published for reference ports are of a tidal oscillation or rise and fall above and below the mean water level.

Meteorological conditions, such as strong or prolonged winds, abrupt changes in barometric pressure, or prolonged periods of very high or very low pressures, introduce fluctuations in the water level. The high and low water heights which actually occur are the result of the predictable tidal oscillations together with fluctuations of meteorological origin which cannot be forecast in advance. Thus, if the water level has been raised by meteorological conditions, both the high and the low water heights will be higher than predicted and vice versa. A change in meteorological conditions, however, is never so rapid that a high water, raised by earlier conditions, would be followed by a low water lowered by the changed conditions. The same is true concerning low water followed by high water. The extreme levels tabulated for each reference port have invariably been reached under quite different circumstances at widely separated periods of time.

# Calculation

## of Intermediate Times or Heights

This table is primarily intended for finding the height of the tide at a reference port at any specified time between the predicted levels, or the time at which a specified height is reached. It will give reasonably accurate results at all reference ports in Canadian waters when the duration of rise or fall is within the tabulated limits (see paragraph "Interpolation"). It may also be used at secondary ports, with less accuracy, when the appropriate times and heights have been calculated.

## Instructions and Examples

Height at a specified time

To calculate the height of the tide at Bay Head on 2nd July at 1720:

1. From the daily tables note the time and heights preceding and succeeding the specified time (1720) and obtain:

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (10.0 – 0.5 = 9.5)

c) the time interval between the specified time and the time of the nearest predicted level (1720 – 1600 = 1 20)

2. In the Duration column of the table find the duration calculated in 1a(6 30) and follow the horizontal line of figures until the time interval closest to that calculated in 1c (1 20) is reached. Note the column number (column 2). (Follow the *)

3. In the Range column of the table find the range calculated in 1b (9.5) and follow the horizontal line of figures to the same numbered column as found in 2 (column 2). Note the figure in this column (1.0). (Follow the *)

4. This figure is the difference between the height required and the height of the predicted level from which the time interval was calculated in 1c (1600 0.8). It should be subtracted from this height if the higher of the levels was used or added if the lower was used (0.5 + 1.0 = 1.5). The result is the height of the tide specified.

Calculated height: 1.5 m.

*Note: To use this table for tides with a range greater than 15 metres, the calculated value of the Range, 1b, must be halved and the Height Difference, taken from the table, must be doubled.*

## BAY HEAD (EST / Z+5)

JULY-JUILLET

| Day | Time | Ht./m. | Jour | Heure | H./m. |
|---|---|---|---|---|---|
| **1** | 0252 | .6 | **16** | 0355 | 1.6 |
| | 0910 | 10.3 | | 1025 | 9.2 |
| FR | 1510 | .5 | SA | 1605 | 1.4 |
| VE | 2130 | 10.1 | SA | 2245 | 9.0 |
| **2** | 0335 | .5 | **17** | 0515 | 1.7 |
| | 1010 | 10.2 | | 1110 | 9.1 |
| SA | 1600 | .5 | SU | 1740 | 1.6 |
| SA | 2230 | 10.0 | DI | 2335 | 8.8 |
| **3** | 0420 | .6 | **18** | 0555 | 1.9 |

Time at a specified height

To calculate the time at which the height of the rising afternoon tide at Bay Head on 2nd July will be 1.5 metres:

1. From the daily tables note the times and heights preceding and succeeding the specified height (1.5 m) and obtain:

a) the duration of rise or fall of the tide, i.e., the time difference between the predicted levels (2230 – 1600 = 6 30)

b) the range of the tide, i.e., the height difference between the predicted levels (10.0 – 0.5 = 9.5)

c) the height difference between the height specified and the nearest predicted level (1.5 – 0.5 = 1.0)

2. In the Range column of the table find the range calculated in 1b and follow the horizontal line of figures until the height difference closest to that calculated in 1c is found. Note the column number (column 2). (Follow the *)

3. In the Duration column of the table find the duration calculated in 1a and follow the horizontal line to the same numbered column as that found in 2. Note the figure in this column (1 20). (Follow the *)

4. This figure is the Time Interval between the time required and the time of the predicted level from which the height difference was calculated in 1c (1600 0.5). If the lower of the levels was used in 1c, add the time interval on a rising tide and subtract it on a falling tide (1600 + 1 20 = 1720). If the higher of the levels was used subtract the time interval on a rising tide and add it on a falling tide. The result is the time at which the specified height will be reached.

Calculated time: 1720 hours.

*Note: To use this table for tides with a greater range than 15 metres, the calculated values of Range, 1b, and Height Difference, 1c, must be halved. The time interval extracted from the table should not be altered.*

## Table of Height Differences from Nearest Predicted Level

| Range | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| m | m | m | m | m | m | m | m | m | m | m |
| .5 | .0 | .1 | .1 | .1 | .1 | .2 | .2 | .2 | .2 | .3 |
| 1.0 | .1 | .1 | .2 | .2 | .3 | .3 | .4 | .4 | .5 | .5 |
| 1.5 | .1 | .2 | .2 | .3 | .4 | .5 | .5 | .6 | .7 | .8 |
| 2.0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 |
| 2.5 | .1 | .3 | .4 | .5 | .6 | .8 | .9 | 1.0 | 1.1 | 1.3 |
| 3.0 | .2 | .3 | .5 | .6 | .8 | .9 | 1.1 | 1.2 | 1.4 | 1.5 |
| 3.5 | .2 | .4 | .5 | .7 | .9 | 1.1 | 1.2 | 1.4 | 1.6 | 1.8 |
| 4.0 | .2 | .4 | .6 | .8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 |
| 4.5 | .2 | .5 | .7 | .9 | 1.1 | 1.4 | 1.6 | 1.8 | 2.0 | 2.3 |
| 5.0 | .3 | .5 | .8 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 |
| 5.5 | .3 | .6 | .8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.5 | 2.8 |
| 6.0 | .3 | .6 | .9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
| 6.5 | .3 | .7 | 1.0 | 1.3 | 1.6 | 2.0 | 2.3 | 2.6 | 2.9 | 3.3 |
| 7.0 | .4 | .7 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.8 | 3.2 | 3.5 |
| 7.5 | .4 | .8 | 1.1 | 1.5 | 1.9 | 2.3 | 2.6 | 3.0 | 3.4 | 3.8 |
| 8.0 | .4 | .8 | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 |
| 8.5 | .4 | .9 | 1.3 | 1.7 | 2.1 | 2.6 | 3.0 | 3.4 | 3.8 | 4.3 |
| 9.0 | .5 | .9 | 1.4 | 1.8 | 2.3 | 2.7 | 3.2 | 3.6 | 4.1 | 4.5 |
| 9.5* | .5 | 1.0* | 1.4 | 1.9 | 2.4 | 2.9 | 3.3 | 3.8 | 4.3 | 4.8 |
| 10.0 | .5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 |
| 10.5 | .5 | 1.1 | 1.6 | 2.1 | 2.6 | 3.2 | 3.7 | 4.2 | 4.7 | 5.3 |
| 11.0 | .6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.9 | 4.4 | 5.0 | 5.5 |
| 11.5 | .6 | 1.2 | 1.7 | 2.3 | 2.9 | 3.5 | 4.0 | 4.6 | 5.2 | 5.8 |
| 12.0 | .6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| 12.5 | .6 | 1.3 | 1.9 | 2.5 | 3.1 | 3.8 | 4.4 | 5.0 | 5.6 | 6.3 |
| 13.0 | .7 | 1.3 | 2.0 | 2.6 | 3.3 | 3.9 | 4.6 | 5.2 | 5.9 | 6.5 |
| 13.5 | .7 | 1.4 | 2.0 | 2.7 | 3.4 | 4.1 | 4.7 | 5.4 | 6.1 | 6.8 |
| 14.0 | .7 | 1.4 | 2.1 | 2.8 | 3.5 | 4.2 | 4.9 | 5.6 | 6.3 | 7.0 |
| 14.5 | .7 | 1.5 | 2.2 | 2.9 | 3.6 | 4.4 | 5.1 | 5.8 | 6.5 | 7.3 |
| 15.0 | .8 | 1.5 | 2.3 | 3.0 | 3.8 | 4.5 | 5.3 | 6.0 | 6.8 | 7.5 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi.

## Interpolation

This is a general table for use with all ports and is based on the assumption that the tidal curve is a simple cosine curve. At most ports there is some distortion of the tidal curve. Where tides are small, therefore, interpolation is unnecessary when the calculated values of the duration, time interval, range and height difference do not coincide with those tabulated. Where the tides are large, however, interepolation is more desirable, but an estimate by eye is all that is justified by the ultimate accuracy of the prediction. When the duration or range of the tide are less than those tabulated in the calculation table, a direct arithmetic interpolation may be made.

## Conversion of Tidal Heights to Approximate Elevations Referred to Mean Sea Level

The height of tide may be converted to an approximate elevation above (+) or below (–) Mean Sea Level by subtracting the height of mean water level at the specified port from the calculated height of tide.

## Table of Time Intervals from Nearest Predicted Level

| Duration | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*The asterisks in this table are for guidance purposes only when following the examples on page vi.

# Prediction

## of Tides at Secondary Ports

### Example

Predict the times and heights of the morning and afternoon tides on 1st July at fictitious port Rock Harbour (Standard Time):

### Instructions

Carry out instructions 1-7 by following the seven steps in the worked example at the foot of Column 2 of this page.

1. Locate the required port in Table 3, *Secondary Ports — Information and Tidal Differences*, and note its Time Zone.

2. In Table 3 note the time and height differences tabulated for this port. (See samples, page ix)

3. Note the name of the reference port which precedes it in Table 3.

4. Note the heights of mean and large tides for this reference port in Table 2, *Reference Ports*. (See samples, page ix)

5. Note the appropriate daily predictions for this reference port. (See sample on this page)

6. a) Select the appropriate time and height differences from 2. For practical purposes, the higher high water mean tide difference (e.g. 0.6) is used if the higher of the predicted levels from 5 (e.g. 3.3) is closer to the higher high water mean tide height from 4 (e.g. 3.0) than to the large tide height (e.g. 3.9) and vice versa. The mean tide difference is also used if the large tide difference is omitted. Lower low water differences are used in a similar manner for the lower of the predicted levels.

b) If both predicted levels from 5 are closer to the heights of high rather than low tide from 4, then the higher high water time and height differences should be used with both predicted times and levels. The lower low water time and height differences may also be used with both predicted times and levels under similar low tide conditions.

c) A more precise method of computing height differences is to interpolate between the height differences in 2 in the ratio determined by the position of the predicted level between the mean tide height and the large tide height. If the predicted level does not fall between the mean tide height and the large tide height, an extrapolation is required instead of an interpolation and the height difference obtained will correspondingly fall outside the height differences in 2.

## BAY HEAD (EST / Z+5)

JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| **1** | 0140 | .6 | **16** | 0230 | .5 |
| | 0720 | 3.3 | | 0825 | 3.4 |
| FE | 1310 | .6 | SA | 1405 | .4 |
| VE | 1940 | 3.4 | SA | 2025 | 3.6 |
| **2** | 0245 | .7 | **17** | 0340 | .4 |
| | 0830 | 3.4 | | 0935 | 3.5 |
| SA | 1420 | .5 | SU | 1525 | .3 |
| SA | 2100 | 3.5 | DI | 2130 | 3.7 |
| **3** | 0355 | .6 | **18** | 0450 | .2 |

7. Apply the time and height differences selected according to instruction 6 to the reference port daily predictions from 5 and obtain the required secondary port predictions which are invariably in the time zone of the secondary port irrespective of the time zone of the reference port.

### Worked Example

| | | | | | | |
|---|---|---|---|---|---|---|
| Step 1 | Rock Harbour | | +4 | | | |
| Step 2 | Higher Time | High Mean Tide | Water Large Tide | Lower Time | Low Mean Tide | Water Large Tide |
| | +0 30 | +0.6 | +0.9 | +0 20 | –0.3 | +0.1 |
| Step 3 | Bay Head | | | | | |
| Step 4 | Higher | High Mean Tide 3.0 | Water Large Tide 3.9 | Lower | Low Mean Tide 0.8 | Water Large Tide 0.0 |
| Step 5 | Morning Tide 0720 | 3.3 | | Afternoon Tide 1310 | 0.6 | |
| Step 6 | +030 | +0.6 | | +020 | –0.3 | |
| Step 7 | 0750 | 3.9 | | 1330 | 0.3 | |
| | Time Zone | +4 | | | | |

## SECONDARY PORTS

**METRES**

TABLE 3

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

## PORTS SECONDAIRES

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION LAT. N. | POSITION LONG. W. / LONG. O. | DIFFERENCES / DIFFÉRENCES HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE TIME / HEURE | HIGHER HIGH WATER MEAN TIDE / MARÉE MOYENNE | HIGHER HIGH WATER LARGE TIDE / GRANDE MARÉE | LOWER LOW WATER TIME / HEURE | LOWER LOW WATER MEAN TIDE / MARÉE MOYENNE | LOWER LOW WATER LARGE TIDE / GRANDE MARÉE | RANGE / AMPLITUDE MEAN TIDE / MARÉE MOYENNE | RANGE / AMPLITUDE LARGE TIDE / GRANDE MARÉE | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AREA 10 / RÉGION WIDE BAY | | ° ′ | ° ′ | h min | m | m | h min | m | m | m | m | m |
| | | | on/sur BAY HEAD, pages 32-35 | | | | | | | | | | |
| 0002 | ROCK HARBOUR | +4 | 61 00 | 61 00 | +0 30 | +0.6 | +0.9 | +0 20 | -0.3 | +0.1 | 3.1 | 4.7 | 2.7 |

SAMPLE EXEMPLE

## REFERENCE PORTS

**METRES**

TABLE 2

TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL

*HAUTEURS DES MARÉES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

## PORTS DE RÉFÉRENCE

| REFERENCE PORT / PORT DE RÉFÉRENCE | HEIGHTS / HAUTEURS HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE MEAN TIDE / MARÉE MOYENNE | HIGHER HIGH WATER LARGE TIDE / GRANDE MARÉE | LOWER LOW WATER MEAN TIDE / MARÉE MOYENNE | LOWER LOW WATER LARGE TIDE / GRANDE MARÉE | RECORDED EXTREMES / EXTRÊMES ENREGISTRÉS HIGHEST H.W. / PLUS HAUTE PLEINE MER | RECORDED EXTREMES LOWEST L.W. / PLUS BASSE BASSE MER | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|
| | m | m | m | m | m | m | m |
| BAY HEAD | 3.0 | 3.9 | 0.8 | 0.0 | 4.7 | -0.3 | 1.7 |

SAMPLE EXEMPLE

# Introduction

## Partie 1 — RENSEIGNEMENTS PRATIQUES

### Tables des marées

L'heure et la hauteur sont prédites et présentés sous forme de tables quotidiennes pour tous les ports de référence. Les colonnes indiquant les hauteurs en pieds sont ombrées pour les distinguer des colonnes indiquant les hauteurs en mètres.

### Tables des courants*

L'heure et le taux de vitesse maximale des courants, ou l'heure de l'étale lorsque les courants changent de direction, sont prédits et présentés sous forme de tables quotidiennes pour toutes les stations de mesure des courants. Les fluctuations dans le mouvement horizontal des eaux dues aux conditions météorologiques peuvent prolonger la durée et augmenter la vitesse du courant dans une direction et causer un effet contraire lorsque la direction change de sens. Le courant peut par conséquent ne pas changer de direction exactement au moment prédit, mais en ce cas le taux sera relativement faible.

Partout dans les tables la direction des courants est indiquée par (+) lorsque le courant marégraphique se déplace vers une région de marée montante ou (−) lorsqu'il se déplace vers une région de marée descendante.

### Cartes

La carte du haut au verso de la couverture indique les limites et les numéros de tous les volumes de la série sur les tables canadiennes des marées et courants.

La carte du bas indique les régions générales où sont groupés les ports secondaires. Les régions sont numérotées consécutivement selon l'ordre géographique de distribution des ports de référence et des ports secondaires dans le volume. La carte indique aussi l'emplacement des ports de référence et des stations de mesure des courants.

### Régions et emplacements

Dans les tables de renseignements sur les ports secondaires et des différences marégraphiques, chaque titre de région générale comporte un nom descriptif en plus de son numéro consécutif. Ceci facilite la tâche de situer chaque région et permet de vérifier rapidement toutes les données disponibles.

À l'intérieur de ces régions générales, tous les ports secondaires sont disposés et énumérés par emplacement.

### Toponymes et coordonnées

Partout dans les tables, les noms donnés aux ports de référence et aux ports secondaires sont, pour la plupart, des noms approuvés par le Comité permanent canadien des noms géographiques.

Les coordonnées géographiques données dans les tables des ports de référence et des ports secondaires sont celles des stations marégraphiques originelles et il faut les utiliser chaque fois que l'on a besoin de leurs positions précises. Les toponymes associés à ces coordonnées ont été choisis parmi ceux des endroits ou des accidents géographiques importants les plus rapprochés. En conséquence les coordonnées géographiques et les noms peuvent ne pas correspondre exactement.

**Ne s'applique pas à l'Arctique et la baie d'Hudson.*

### Directives et exemples

On trouvera dans le présent annuaire des directives et des exemples relatifs à la méthode à suivre pour prédire les heures et les hauteurs aux ports secondaires et calculer les hauteurs et les heures intermédiaires aux ports de référence et aux ports secondaires. On a utilisé partout dans ces exemples des renseignements factices.

### Définitions

*Les ports de référence ou les stations de référence de courant* sont ceux pour lesquels on publie les prédictions sous forme de tables quotidiennes soit des heures et des hauteurs soit des heures des renversements et des vitesses maximales.

*Les ports secondaires ou les stations secondaires de courant* sont ceux pour lesquels on publie les différences soit pour les heures et les hauteurs soit pour les heures des renversements.

Les différences sont les corrections qu'il faut appliquer aux prédictions à un port de référence ou à une station de référence de courant pour obtenir les prédictions à un port secondaire ou à une station secondaire de courant.

*Les zones horaires* de prédiction aux ports de référence et aux ports secondaires suivent d'ordinaire l'heure normale de la région. Elle est indiquée en haut des tables de prédiction quotidienne par le suffixe (Z) placé après chaque nom et accompagné par les initiales et le numéro de la zone ainsi que par les chiffres de la colonne de la zone horaire des tables 1 et 3. Le signe (+) indique qu'on peut obtenir le temps moyen de Greenwich (TMG) en additionnant à l'heure normale le nombre d'heures correspondant à la zone horaire.

Les zones horaires normales représentées par les initiales et les chiffres s'établissent somme suit:

| | | |
|---|---|---|
| HNTN | Z+3½ | Heure normale de Terre-Neuve |
| HNA | Z+4 | Heure normale de l'Atlantique |
| HNE | Z+5 | Heure normale de l'Est |
| HNC | Z+6 | Heure normale du Centre |
| HNM | Z+7 | Heure normale des Montagnes |
| HNP | Z+8 | Heure normale du Pacifique |

Pour convertir les prédictions en heure d'été, on ajoute une heure.

*Le niveau de référence marégraphique* établi pour les ports de référence et les ports secondaires est le même, à moins d'indication contraire, que le niveau de référence (zéro des cartes) dans la région. Conformément à l'accord international, le zéro des cartes est le niveau sous lequel la marée descend rarement. Le Service hydrographique du Canada a adopté le niveau de la marée normale la plus basse comme zéro des cartes.

*La hauteur de la marée* est la distance verticale qui sépare la surface de la mer et le zéro des cartes. Pour trouver la profondeur totale, on ajoute la hauteur de la marée aux données sur la profondeur apparaissant sur la carte. Ainsi, quand la carte indique une profondeur de 20 pieds à un endroit et que la hauteur prédite de la pleine mer est de 10 pieds, la profondeur réelle de la pleine mer est de 30 pieds.

Dans le cas de certains ports inaccessibles à marée basse et où les navires reposent alors sur des tins ou des clayonnages, les hauteurs de la marée se mesurent à partir de ces objets.

Le marnage de la marée moyenne est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la marée moyenne.

Le marnage de la grand marée est la différence entre les hauteurs de pleine mer supérieure et de basse mer inférieure à la grande marée.

*Le niveau moyen de l'eau* est la hauteur au-dessus du zéro des cartes de la moyenne de toutes les observations horaires utilisées à un endroit particulier pour étudier la marée.

### Données marégraphiques sur les cartes du Service hydrographique du Canada

La plupart des cartes publiées par le Service hydrographique du Canada indiquent le niveau de référence et, au besoin, des renseignements marégraphiques. Le tableau de ces renseignements comprend, pour des endroits donnés, les hauteurs de pleine mer supérieure et de basse mer inférieure des grandes et moyennes marées. Ces hauteurs sont calculées d'après le niveau de référence. Ces renseignements doivent servir de guide pour déterminer la hauteur de la marée à ces endroits. Si on a besoin de prédictions plus précises, il faut consulter les tables de marée.

On donne aussi au tableau la hauteur du niveau moyen de l'eau, à ne pas confondre avec le niveau de référence géodésique du Canada vu que le niveau moyen de l'eau peut changer avec le temps.

### Reseignements supplémentaires

Les tables renferment les renseignements les plus récents.

Les renseignements additionnels ou les modifications qui sont disponibles avant le 1er novembre de l'année précédente seront publiés dans l'édition hebdomadaire n° 46 des *Avis aux navigateurs* (Édition canadienne). Toutes les modifications ultérieures seront publiées au besoin dans les *Avis aux navigateurs*.

### Revision

Afin de faciliter la revision et d'améliorer la précision ou l'utilité de ces tables, on prie les navigateurs, les autorités des ports, les arpenteurs, les ingénieurs et tous ceux qui les utilisent de soumettre leurs commentaires sur l'un ou l'autre point suivant: fautes d'impression, différences appréciables entre les hauteurs des marées prédites et observées, niveaux extrêmes, améliorations des tables, et renseignements provenant des stations marégraphiques privées.

*Nota: Le Service hydrographique du Canada fournira sur demande des renseignements sur l'aménagement et l'utilisation de marégraphes automatiques.*

Toute communication doit être envoyée au Service hydrographique du Canada, Ottawa, Ont., ou aux bureaux régionaux de Dartmouth, N.-É., Québec, QC, Burlington, Ont., ou Sidney, C.-B.

### Remerciements

Les présentes tables et prédictions pour les eaux du Canada ont été préparées par le Service des données sur le milieu marin, Direction générale de l'information et des sciences de la mer, Sciences et levés océaniques. Lorsque approprié, on a obtenu les prédictions pour les eaux américaines du ministère du Commerce des États-Unis, en vertu d'une entente bilatérale internationale.

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## Partie 2 — RENSEIGNEMENTS THÉORIQUES

### Genres de marée

*Marée semi-diurne (SD)* — deux oscillations marégraphiques complètes quotidiennes, les deux pleines mers étant de hauteur semblable, de même que les deux basses mers. Les deux pleines mers du jour suivent les passages supérieur et inférieur de la lune d'environ le même intervalle.

*Marée mixte, surtout semi-diurne (MSD)* — deux oscillations marégraphiques quotidiennes complètes avec inégalités à la fois en hauteur et dans le temps où elle atteint ses plus grandes valeurs alors que la déclinaison de la lune est passée par son maximum.

*Marée mixte, surtout diurne (MD)* — habituellement, et à coup sûr quand la lune présente une faible déclinaison, il se produit deux oscillations marégraphiques complètes quotidiennes. Les inégalités entre les hauteurs des pleines et basses mers successives et le temps des intervalles correspondants sont très marquées.

*Marée diurne (D)* — une oscillation marégraphique complète quotidienne.

### Précision des prédictions

*Ports de référence* — La précision des prédictions aux ports de référence dépend de la quantité et de la qualité des constantes marégraphiques utilisées pour les calculer. Ces constantes à leur tour sont directement reliées à la longueur de la période d'observation utilisée dans l'analyse marégraphique et d'où les constantes sont dérivées. Lorsque les dossiers le permettent on utilise des observations s'étendant sur au moins une année.

*Ports secondaires* — La précision des différences marégraphiques aux ports secondaires dépend aussi de la qualité des constantes marégraphiques utilisées pour les calculer, comme pour les ports de référence. Dans la majorité des cas cependant la période d'observations ne s'étend pas sur plus d'un mois, et parfois moins. Leur qualité est par conséquent affectée par les fluctuations du niveau des marées comparativement à la normale, durant cette période, à la suite des conditions météorologiques.

De plus, leur précision est fortement dépendante de la similarité entre les caractéristiques de la marée aux ports secondaires et aux ports de référence. Il n'y a pas deux endroits au monde où les marées sont identiques de sorte que même si leurs caractéristiques sont semblables les prédictions aux ports secondaires faites en utilisant les différences marégraphiques ne peuvent pas être considérées aussi précises que les prédictions complètes faites pour un port de référence. Du point de vue pratique cependant on a fait tout ce qui est possible pour établir les comparaisons entre les ports de référence et les ports secondaires qui présentent des caractéristiques marégraphiques semblables. À cause du petit nombre de ports de référence disponibles cette façon de faire n'a pas toujours été possible. Par contre les inexactitudes ainsi engendrées sont habituellement inférieures à celles qui proviennent des fluctuations des niveaux des marées causées par les conditions météorologiques.

### Effets des conditions météorologiques sur la hauteur des marées

Les hauteurs publiées pour les ports de référence ne représentent que l'oscillation marégraphique, soit une certaine hauteur au-dessus et au-dessous du niveau moyen de l'eau.

Les conditions météorologiques comme les vents violents et prolongés, les changements rapides de la pression barométrique ou les périodes prolongées de très haute ou de très basse pression influent sur le niveau de l'eau. La hauteur des marées hautes et basses est le résultat d'oscillations marégraphiques que l'on peut prédire et de variations d'origine météorologique que l'on ne peut prévoir longtemps à l'avance. Ainsi si le niveau de la mer a monté à la suite de l'influence de conditions météorologiques, la hauteur des marées hautes et basses sera supérieure à celle prédite et vice versa. Cependant, un changement dans les conditions météorologiques n'est jamais assez rapide pour qu'une marée haute favorisée par des conditions antérieures soit suivie d'une marée basse abaissée davantage par le changement des conditions, et la même chose est vraie d'une marée basse suivie d'une marée haute. Les niveaux extrêmes établis pour chacun des ports de référence ont invariablement été atteints dans des circonstances bien différentes et à des périodes à longs intervalles.

# Calcul

## des hauteurs ou des heures intermédiaires

La Table des calculs est destinée surtout à trouver la hauteur de la marée à un port de référence à un moment donné entre les hauteurs prédites, ou l'heure à laquelle une hauteur donnée est atteinte. Elle donnera des chiffres suffisamment précis pour tous les ports de référence situés dans les eaux canadiennes si la durée du flot et du jusant rentre dans les limites établies (voir le paragraphe intitulé Interpolation). On peut l'appliquer aussi aux ports secondaires, avec moins d'exactitude, quand on a calculé les heures et les hauteurs appropriées.

### Directives et exemples

Hauteur à une heure donnée

Pour calculer la hauteur de la marée, à Bay Head, le 2 juillet à 17h20:

1. D'après les tables quotidiennes, noter les heures et les hauteurs précédant et suivant l'heure donnée (17h20) et obtenir:

a) la durée du flux ou du reflux, savoir la différence d'heure entre les hauteurs prédites (2230 − 1600 = 6 30).

b) le marnage de la marée, savoir la différence de hauteur entre les hauteurs prédites (10.0 − 0.5 = 9.5).

c) le temps qui sépare l'heure donnée et celle de la hauteur prédite la plus rapprochée (1720 − 1600 = 1 20).

2. Dans la colonne Durée de la table, trouver la durée calculée à 1a(6 30) et suivre la ligne horizontale jusqu'au chiffre le plus rapproché de celui qui est calculé à 1c(1 20). Noter le numéro de la colonne (2). (Suivez le *)

3. Dans la colonne Marnage, trouver le marnage calculée à 1b(9.5) et suivre la ligne horizontale jusqu'à la colonne portant le même numéro qu'à 2 (colonne 2). Noter le chiffre qui s'y trouve (1.0). (Suivez le *)

4. Ce chiffre est la différence entre la hauteur cherchée et la hauteur du niveau prédit à partir de laquelle on a calculé l'intervalle de temps indiqué à 1c (1600 0.5). Soustraire ce chiffre de la hauteur dans le cas d'un niveau supérieur et l'ajouter dans le cas d'un niveau inférieur (0.5 + 1.0 = 1.5). On obtient ainsi la hauteur de la marée à l'heure donnée.

Hauteur calculée: 1.5 m.

*Nota: Pour appliquer la table à des marées d'un marnage dépassant 15 mètres, il faut diviser par deux la valeur calculée de l'amplitude trouvée à 1b, et doubler la différence de hauteur, tirée de la table.*

## BAY HEAD (EST / Z+5)

JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| **1** | 0252 | .6 | **16** | 0355 | 1.6 |
| | 0910 | 10.3 | | 1025 | 9.2 |
| FR | 1510 | .5 | SA | 1605 | 1.4 |
| VE | 2130 | 10.1 | SA | 2245 | 9.0 |
| **2** | 0335 | .5 | **17** | 0515 | 1.7 |
| | 1010 | 10.2 | | 1110 | 9.1 |
| SA | 1600 | .5 | SU | 1740 | 1.6 |
| SA | 2230 | 10.0 | DI | 2335 | 8.8 |
| **3** | 0420 | .6 | **18** | 0555 | 1.9 |

Heure à une hauteur donnée

Pour calculer l'heure à laquelle la marée montante de l'après-midi, à Bay Head, le 2 juillet, atteindra la hauteur de 1.5 mètres:

1. D'après les tables quotidiennes, noter les heures et les hauteurs précédant et suivant la hauteur donnée (1.5 m) et obtenir:

a) la durée du flux ou du reflux, savoir la différence de temps entre les hauteurs prédites (2230 − 1600 = 6 30).

b) le marnage de la marée, savoir la différence entre les hauteurs prédites (10.0 − 0.5 = 9.5).

c) la différence de hauteur entre la hauteur donnée et les hauteurs prédites les plus rapprochées (1.5 − 0.5 = 1.0).

2. Dans la colonne Marnage de la table, trouver le marnage calculée à 1b et suivre la ligne horizontale jusqu'au chiffre le plus rapproché de celui qui est calculé à 1c. Noter le numéro de la colonne (2). (Suivez le *)

3. Dans la colonne Durée, trouver la durée calculée à 1a et suivre la ligne horizontale jusqu'a la colonne portant le même numéro qu'à 2. Noter le chiffre qui y figure (1 20). (Suivez le *)

4. Ce chiffre est la différence entre l'heure cherchée et celle des hauteurs prédites à partir de laquelle on a calculé la différence de hauteur à 1c (1600 0.5). S'il s'agit de la hauteur la plus basse à 1c, ajouter l'intervalle de temps à une marée montante et le soustraire à une marée descendante (1600 + 1 20 = 1720). S'il s'agit de la hauteur la plus élevée, soustraire l'intervalle de temps à une marée montante et l'ajouter à une marée descendante. On obtient ainsi l'heure à laquelle la hauteur donnée sera atteinte.

Heure calculée: 1720 heures.

*Nota: Pour appliquer cette table à des marées d'un marnage de plus de 15 mètres, il faut diviser par deux les valeurs calculées de l'amplitude trouvée à 1b et la différence de hauteur trouvée à 1c. Ne pas modifier l'intervalle de temps tiré de la table.*

## Différence de hauteur du niveau predit le plus rapproché

| Amplitude | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| m | m | m | m | m | m | m | m | m | m | m |
| .5 | .0 | .1 | .1 | .1 | .1 | .2 | .2 | .2 | .2 | .3 |
| 1.0 | .1 | .1 | .2 | .2 | .3 | .3 | .4 | .4 | .5 | .5 |
| 1.5 | .1 | .2 | .2 | .3 | .4 | .5 | .5 | .6 | .7 | .8 |
| 2.0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 |
| 2.5 | .1 | .3 | .4 | .5 | .6 | .8 | .9 | 1.0 | 1.1 | 1.3 |
| 3.0 | .2 | .3 | .5 | .6 | .8 | .9 | 1.1 | 1.2 | 1.4 | 1.5 |
| 3.5 | .2 | .4 | .5 | .7 | .9 | 1.1 | 1.2 | 1.4 | 1.6 | 1.8 |
| 4.0 | .2 | .4 | .6 | .8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 |
| 4.5 | .2 | .5 | .7 | .9 | 1.1 | 1.4 | 1.6 | 1.8 | 2.0 | 2.3 |
| 5.0 | .3 | .5 | .8 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 |
| 5.5 | .3 | .6 | .8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.5 | 2.8 |
| 6.0 | .3 | .6 | .9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
| 6.5 | .3 | .7 | 1.0 | 1.3 | 1.6 | 2.0 | 2.3 | 2.6 | 2.9 | 3.3 |
| 7.0 | .4 | .7 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.8 | 3.2 | 3.5 |
| 7.5 | .4 | .8 | 1.1 | 1.5 | 1.9 | 2.3 | 2.6 | 3.0 | 3.4 | 3.8 |
| 8.0 | .4 | .8 | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.2 | 3.6 | 4.0 |
| 8.5 | .4 | .9 | 1.3 | 1.7 | 2.1 | 2.6 | 3.0 | 3.4 | 3.8 | 4.3 |
| 9.0 | .5 | .9 | 1.4 | 1.8 | 2.3 | 2.7 | 3.2 | 3.6 | 4.1 | 4.5 |
| 9.5* | .5 | 1.0* | 1.4 | 1.9 | 2.4 | 2.9 | 3.3 | 3.8 | 4.3 | 4.8 |
| 10.0 | .5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 |
| 10.5 | .5 | 1.1 | 1.6 | 2.1 | 2.6 | 3.2 | 3.7 | 4.2 | 4.7 | 5.3 |
| 11.0 | .6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.3 | 3.9 | 4.4 | 5.0 | 5.5 |
| 11.5 | .6 | 1.2 | 1.7 | 2.3 | 2.9 | 3.5 | 4.0 | 4.6 | 5.2 | 5.8 |
| 12.0 | .6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| 12.5 | .6 | 1.3 | 1.9 | 2.5 | 3.1 | 3.8 | 4.4 | 5.0 | 5.6 | 6.3 |
| 13.0 | .7 | 1.3 | 2.0 | 2.6 | 3.3 | 3.9 | 4.6 | 5.2 | 5.9 | 6.5 |
| 13.5 | .7 | 1.4 | 2.0 | 2.7 | 3.4 | 4.1 | 4.7 | 5.4 | 6.1 | 6.8 |
| 14.0 | .7 | 1.4 | 2.1 | 2.8 | 3.5 | 4.2 | 4.9 | 5.6 | 6.3 | 7.0 |
| 14.5 | .7 | 1.5 | 2.2 | 2.9 | 3.6 | 4.4 | 5.1 | 5.8 | 6.5 | 7.3 |
| 15.0 | .8 | 1.5 | 2.3 | 3.0 | 3.8 | 4.5 | 5.3 | 6.0 | 6.8 | 7.5 |

*Les astérisques dans cette table servent exclusivement à illustrer les exemples de la page xii.

## Interpolation

La Table des calculs est une table générale destinée à être utilisée pour tous les ports. Dans le cas de la plupart de ces derniers, la courbe des marées est quelque peu déformée. Par conséquent, là où les marées sont faibles, il est inutile d'interpoler quand les valeurs calculées de la durée, de l'intervalle de temps, du marnage et de la différence de hauteur ne coïncident pas avec celles des Tables. Là où les marées sont fortes, cependant, il est plus avantageux d'interpoler, mais une simple estimation visuelle donnera une prédiction suffisamment exacte. Si la durée ou le marnage de la marée sont inférieures à celles calculées à la Table, on peut faire une interpolation arithmétique directe.

## Conversion des hauteurs de marée en altitudes approximatives à partir du niveau moyen de la mer

On peut convertir la hauteur de marée en altitude approximative au-dessus (+) ou au-dessous (−) du niveau moyen de la mer en soustrayant la hauteur du niveau moyen de l'eau au port donné, de la hauteur calculée de la marée.

## Intervalle de la hauteur prédite la plus rapprochée

| Durée | 1 | 2* | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| h m | h m | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| 1 00 | 09 | 12 | 15 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 1 10 | 10 | 14 | 18 | 21 | 23 | 26 | 28 | 31 | 33 | 35 |
| 1 20 | 11 | 16 | 20 | 24 | 27 | 30 | 32 | 35 | 37 | 40 |
| 1 30 | 13 | 18 | 23 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
| 1 40 | 14 | 20 | 25 | 30 | 33 | 37 | 40 | 44 | 47 | 50 |
| 1 50 | 16 | 23 | 28 | 32 | 37 | 41 | 44 | 48 | 51 | 55 |
| 2 00 | 17 | 25 | 30 | 35 | 40 | 44 | 48 | 52 | 56 | 1 00 |
| 2 10 | 19 | 27 | 33 | 38 | 43 | 48 | 52 | 57 | 1 01 | 1 05 |
| 2 20 | 20 | 29 | 35 | 41 | 47 | 52 | 56 | 1 01 | 1 06 | 1 10 |
| 2 30 | 22 | 31 | 38 | 44 | 50 | 55 | 1 00 | 1 05 | 1 10 | 1 15 |
| 2 40 | 23 | 33 | 41 | 47 | 53 | 59 | 1 04 | 1 10 | 1 15 | 1 20 |
| 2 50 | 24 | 35 | 43 | 50 | 57 | 1 03 | 1 09 | 1 14 | 1 20 | 1 25 |
| 3 00 | 26 | 37 | 46 | 53 | 1 00 | 1 06 | 1 13 | 1 18 | 1 24 | 1 30 |
| 3 10 | 27 | 39 | 48 | 56 | 1 03 | 1 10 | 1 17 | 1 23 | 1 29 | 1 35 |
| 3 20 | 29 | 41 | 51 | 59 | 1 07 | 1 14 | 1 21 | 1 27 | 1 34 | 1 40 |
| 3 30 | 30 | 43 | 53 | 1 02 | 1 10 | 1 17 | 1 25 | 1 32 | 1 38 | 1 45 |
| 3 40 | 32 | 45 | 56 | 1 05 | 1 13 | 1 21 | 1 29 | 1 36 | 1 43 | 1 50 |
| 3 50 | 33 | 47 | 58 | 1 08 | 1 17 | 1 25 | 1 33 | 1 40 | 1 48 | 1 55 |
| 4 00 | 34 | 49 | 1 01 | 1 11 | 1 20 | 1 29 | 1 37 | 1 45 | 1 52 | 2 00 |
| 4 10 | 36 | 51 | 1 03 | 1 14 | 1 23 | 1 32 | 1 41 | 1 49 | 1 57 | 2 05 |
| 4 20 | 37 | 53 | 1 06 | 1 17 | 1 27 | 1 36 | 1 45 | 1 53 | 2 02 | 2 10 |
| 4 30 | 39 | 55 | 1 08 | 1 20 | 1 30 | 1 40 | 1 49 | 1 58 | 2 06 | 2 15 |
| 4 40 | 40 | 57 | 1 11 | 1 23 | 1 33 | 1 43 | 1 53 | 2 02 | 2 11 | 2 20 |
| 4 50 | 42 | 59 | 1 13 | 1 26 | 1 37 | 1 47 | 1 57 | 2 06 | 2 16 | 2 25 |
| 5 00 | 43 | 1 01 | 1 16 | 1 29 | 1 40 | 1 51 | 2 01 | 2 11 | 2 20 | 2 30 |
| 5 10 | 45 | 1 03 | 1 18 | 1 32 | 1 43 | 1 54 | 2 05 | 2 15 | 2 25 | 2 35 |
| 5 20 | 46 | 1 06 | 1 21 | 1 34 | 1 47 | 1 58 | 2 09 | 2 19 | 2 30 | 2 40 |
| 5 30 | 47 | 1 08 | 1 24 | 1 37 | 1 50 | 2 02 | 2 13 | 2 24 | 2 34 | 2 45 |
| 5 40 | 49 | 1 10 | 1 26 | 1 40 | 1 53 | 2 05 | 2 17 | 2 28 | 2 39 | 2 50 |
| 5 50 | 50 | 1 12 | 1 29 | 1 43 | 1 57 | 2 09 | 2 21 | 2 33 | 2 44 | 2 55 |
| 6 00 | 52 | 1 14 | 1 31 | 1 46 | 2 00 | 2 13 | 2 25 | 2 37 | 2 49 | 3 00 |
| 6 10 | 53 | 1 16 | 1 34 | 1 49 | 2 03 | 2 17 | 2 29 | 2 41 | 2 53 | 3 05 |
| 6 20 | 55 | 1 18 | 1 36 | 1 52 | 2 07 | 2 20 | 2 33 | 2 46 | 2 58 | 3 10 |
| 6 30* | 56 | 1 20* | 1 39 | 1 55 | 2 10 | 2 24 | 2 37 | 2 50 | 3 03 | 3 15 |
| 6 40 | 57 | 1 22 | 1 41 | 1 58 | 2 13 | 2 28 | 2 41 | 2 54 | 3 07 | 3 20 |
| 6 50 | 59 | 1 24 | 1 44 | 2 01 | 2 17 | 2 31 | 2 45 | 2 59 | 3 12 | 3 25 |
| 7 00 | 1 00 | 1 26 | 1 46 | 2 04 | 2 20 | 2 35 | 2 49 | 3 03 | 3 17 | 3 30 |
| 7 10 | 1 02 | 1 28 | 1 49 | 2 07 | 2 23 | 2 39 | 2 53 | 3 07 | 3 21 | 3 35 |
| 7 20 | 1 03 | 1 30 | 1 51 | 2 10 | 2 27 | 2 42 | 2 57 | 3 12 | 3 26 | 3 40 |
| 7 30 | 1 05 | 1 32 | 1 54 | 2 13 | 2 30 | 2 46 | 3 01 | 3 16 | 3 31 | 3 45 |
| 7 40 | 1 06 | 1 34 | 1 56 | 2 16 | 2 33 | 2 50 | 3 05 | 3 21 | 3 35 | 3 50 |
| 7 50 | 1 07 | 1 36 | 1 59 | 2 19 | 2 37 | 2 53 | 3 09 | 3 25 | 3 40 | 3 55 |
| 8 00 | 1 09 | 1 38 | 2 02 | 2 22 | 2 40 | 2 57 | 3 13 | 3 29 | 3 45 | 4 00 |
| 8 10 | 1 10 | 1 40 | 2 04 | 2 25 | 2 43 | 3 01 | 3 17 | 3 34 | 3 49 | 4 05 |
| 8 20 | 1 12 | 1 42 | 2 07 | 2 28 | 2 47 | 3 05 | 3 22 | 3 38 | 3 54 | 4 10 |
| 8 30 | 1 13 | 1 44 | 2 09 | 2 31 | 2 50 | 3 08 | 3 26 | 3 42 | 3 59 | 4 15 |
| 8 40 | 1 15 | 1 47 | 2 12 | 2 33 | 2 53 | 3 12 | 3 30 | 3 47 | 4 03 | 4 20 |
| 8 50 | 1 16 | 1 49 | 2 14 | 2 36 | 2 57 | 3 16 | 3 34 | 3 51 | 4 08 | 4 25 |
| 9 00 | 1 18 | 1 51 | 2 17 | 2 39 | 3 00 | 3 19 | 3 38 | 3 55 | 4 13 | 4 30 |
| 9 10 | 1 19 | 1 53 | 2 19 | 2 42 | 3 03 | 3 23 | 3 42 | 4 00 | 4 17 | 4 35 |
| 9 20 | 1 20 | 1 55 | 2 22 | 2 45 | 3 07 | 3 27 | 3 46 | 4 04 | 4 22 | 4 40 |
| 9 30 | 1 22 | 1 57 | 2 24 | 2 48 | 3 10 | 3 30 | 3 50 | 4 08 | 4 27 | 4 45 |
| 9 40 | 1 23 | 1 59 | 2 27 | 2 51 | 3 13 | 3 34 | 3 54 | 4 13 | 4 32 | 4 50 |
| 9 50 | 1 25 | 2 01 | 2 29 | 2 54 | 3 17 | 3 38 | 3 58 | 4 17 | 4 36 | 4 55 |
| 10 00 | 1 26 | 2 03 | 2 32 | 2 57 | 3 20 | 3 41 | 4 02 | 4 22 | 4 41 | 5 00 |
| 10 10 | 1 28 | 2 05 | 2 34 | 3 00 | 3 23 | 3 45 | 4 06 | 4 26 | 4 46 | 5 05 |
| 10 20 | 1 29 | 2 07 | 2 37 | 3 03 | 3 27 | 3 49 | 4 10 | 4 30 | 4 50 | 5 10 |
| 10 30 | 1 30 | 2 09 | 2 40 | 3 06 | 3 30 | 3 52 | 4 14 | 4 35 | 4 55 | 5 15 |
| 10 40 | 1 32 | 2 11 | 2 42 | 3 09 | 3 33 | 3 56 | 4 18 | 4 39 | 5 00 | 5 20 |
| 10 50 | 1 33 | 2 13 | 2 45 | 3 12 | 3 37 | 4 00 | 4 22 | 4 43 | 5 04 | 5 25 |
| 11 00 | 1 35 | 2 15 | 2 47 | 3 15 | 3 40 | 4 04 | 4 26 | 4 48 | 5 09 | 5 30 |
| 11 10 | 1 36 | 2 17 | 2 50 | 3 18 | 3 43 | 4 07 | 4 30 | 4 52 | 5 14 | 5 35 |
| 11 20 | 1 38 | 2 19 | 2 52 | 3 21 | 3 47 | 4 11 | 4 34 | 4 56 | 5 18 | 5 40 |
| 11 30 | 1 39 | 2 21 | 2 55 | 3 24 | 3 50 | 4 15 | 4 38 | 5 01 | 5 23 | 5 45 |
| 11 40 | 1 40 | 2 23 | 2 57 | 3 27 | 3 53 | 4 18 | 4 42 | 5 05 | 5 28 | 5 50 |
| 11 50 | 1 42 | 2 25 | 3 00 | 3 30 | 3 57 | 4 22 | 4 46 | 5 09 | 5 32 | 5 55 |
| 12 00 | 1 43 | 2 27 | 3 02 | 3 33 | 4 00 | 4 26 | 4 50 | 5 14 | 5 37 | 6 00 |

*Les astériques dans cette table servent exclusivement à illustrer les exemples de la page xii.

# Prédiction

## des marées au ports secondaires

### Exemple

Pour prédire les heures et hauteurs des marées du matin et de l'après-midi, le 1er juillet, à Rock Harbour (heure normale):

### Directives

Il faut exécuter les directives de 1 à 7 en suivant les sept étapes énumérées dans l'exemple qui se trouve au bas de la deuxième colonne de cette page.

1. Localiser le port en question dans la table 3 "Ports secondaires" et noter le fuseau horaire.

2. Noter les différences d'heure et de hauteur inscrites à la table 3 concernant ce port. (Voir l'exemple, page ix)

3. Noter le nom du port de référence qui le précède dans la table 3.

4. Noter les hauteurs des marées moyennes et grandes marées à ce port de référence et inscrites à la table 2 "Ports de référence." (Voir l'exemple, page ix)

5. Noter les prédictions quotidiennes appropriées concernant ce port de référence. (Voir l'exemple sur cette page.)

6. a) Choisir la différence de temps et de hauteur appropriée en 2. À toutes fins utiles, on utilise la différence de marée moyenne de la haute mer supérieure (ex: 0.6) si la hauteur prédite la plus élevée en 5 (ex: 3.3) est plus rapprochée de la hauteur de marée moyenne de la haute mer supérieure en 4 (ex: 3.0) que la hauteur de la grand marée (ex: 3.9) et vice versa. On utilise aussi la différence de marée moyenne si la différence de la grande marée est omise. On utilise de la même façon les différences de basse mer inférieure pour les hauteurs prédites inférieures.

b) Si les hauteurs prédites en 5 sont plus rapprochées des hauteurs de la marée haute plutôt que de la marée basse en 4, on utilise alors les différences de temps et de hauteur de la haute mer supérieure à la fois pour les temps et les niveaux prédits. À marée basse, on utilise les différences de temps et de hauteur de la basse mer inférieure à la fois pour les temps et les niveaux prédits.

c) Une méthode plus précise pour calculer les différences de hauteur consiste à faire une interpolation entre les différences de hauteur en 2 selon le rapport déterminé par la position du niveau prédit entre la hauteur de la marée moyenne et celle de la grande marée. Si le niveau prédit ne se situe pas entre les hauteurs des marées moyenne et grande, on effectuera une extrapolation au lieu d'une interpolation, et le résultat de cette extrapolation sera nécessairement inférieur ou supérieur aux différences de hauteur indiquées en 2.

## BAY HEAD (EST Z+5)

JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| **1** | 0140 | .8 | **16** | 0230 | .5 |
| | 0720 | 3.3 | | 0825 | 3.4 |
| FR | 1310 | .6 | SA | 1405 | .4 |
| VE | 1940 | 3.4 | SA | 2025 | 3.6 |
| **2** | 0245 | .7 | **17** | 0340 | .4 |
| | 0830 | 3.4 | | 0935 | 3.5 |
| SA | 1420 | .5 | SU | 1525 | .3 |
| SA | 2100 | 3.5 | DI | 2130 | 3.7 |
| **3** | 0355 | .6 | **18** | 0450 | .2 |

7. Appliquer les différences d'heure et de hauteur, choisies selon la directive 6, aux prédictions quotidiennes du port de référence en 5, et en titer les prédictions au port secondaire en cause qui sont toujours relatives à l'heure normale du port secondaire et indépendantes de celui du port de référence.

### Exemple

**Étape 1** Rock Harbour +4

**Étape 2**

| Pleine mer supérieure | | | Basse mer inférieure | | |
|---|---|---|---|---|---|
| Temps | Marée moyenne | Grande marée | Temps | Marée moyenne | Grande marée |
| +0 30 | +0.6 | +0.9 | +0 20 | −0.3 | +0.1 |

**Étape 3** Bay Head

**Étape 4**

| Pleine mer supérieure | | Basse mer inférieure | | |
|---|---|---|---|---|
| Marée moyenne | Grande marée | Marée moyenne | Grande marée |
| 3.0 | 3.9 | 0.8 | 0.0 |

**Étape 5**

| Marée du matin | | Marée de l'après-midi | |
|---|---|---|---|
| 0720 | 3.3 | 1310 | 0.6 |

**Étape 6** +030 +0.6 +020 −0.3

**Étape 7** 0750 3.9 1330 0.3

Fuseau horaire +4

TABLE 1
INFORMATION AND RANGE
*RENSEIGNEMENTS ET MARNAGE*

| REFERENCE PORT / *PORT DE RÉFÉRENCE* | INDEX NO. / *NO. D'INDEX* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* | | TYPE OF TIDE / *GENRE DE MARÉES* | RANGE / *MARNAGE* | |
|---|---|---|---|---|---|---|---|
| | | | LATITUDE NORTH / *LATITUDE NORD* | LONGITUDE WEST / *LONGITUDE OUEST* | | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* |
| | | | ° ′ | ° ′ | | *m.* | *m.* |
| FROBISHER | 4140 | +4 | 63 43 | 68 32 | SD | 7.8 | 11.1 |
| DIANA BAY | 4380 | +5 | 60 52 | 70 04 | SD | 6.4 | 9.3 |
| SAND HEAD | 4780 | +5 | 51 25 | 80 21 | SD | 2.1 | 3.1 |
| CHURCHILL | 5010 | +6 | 58 47 | 94 12 | SD | 3.4 | 4.6 |
| HALL BEACH | 5275 | +5 | 68 45 | 81 13 | MSD | 0.9 | 1.4 |
| RESOLUTE | 5560 | +6 | 74 41 | 94 54 | MSD | 1.3 | 2.1 |
| FORT ROSS | 5930 | +6 | 72 01 | 94 14 | MSD | 1.7 | 2.9 |
| FALSE STRAIT | 6100 | +6 | 71 59 | 95 10 | MSD | 0.5 | 0.8 |
| CAMBRIDGE BAY | 6240 | +7 | 69 07 | 105 04 | MSD | 0.4 | 0.6 |
| TUKTOYAKTUK | 6485 | +7 | 69 27 | 133 00 | MSD | 0.3 | 0.5 |



TABLE 2
TIDAL HEIGHTS, EXTREMES AND MEAN WATER LEVEL
*HAUTEURS DES MARÉES, EXTRÊMES ET NIVEAU MOYEN DE L'EAU*

| REFERENCE PORT / *PORT DE RÉFÉRENCE* | HEIGHTS *HAUTEURS* | | | | RECORDED EXTREMES / *EXTRÊMES ENREGISTRÉS* | | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|
| | HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* | | LOWER LOW WATER / *BASSE MER INFÉRIEURE* | | | | |
| | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | HIGHEST H.W. / *EXTRÊME DE PLEINE MER* | LOWEST L.W. / *EXTRÊME DE BASSE MER* | |
| | *m.* | *m.* | *m.* | *m.* | *m.* | *m.* | *m.* |
| FROBISHER | 9.7 | 11.3 | 1.9 | 0.2 | 12.3 | −0.3 | 5.9 |
| DIANA BAY | 8.6 | 9.9 | 2.2 | 0.6 | 10.6 | 0.2 | 5.4 |
| SAND HEAD | 3.0 | 3.5 | 0.9 | 0.4 | — | — | 2.0 |
| CHURCHILL | 4.0 | 4.5 | 0.6 | −0.1 | 5.4 | −0.8 | 2.3 |
| HALL BEACH | 1.2 | 1.4 | 0.3 | 0.0 | — | — | 0.7 |
| RESOLUTE | 1.5 | 1.9 | 0.2 | −0.2 | 2.3 | −0.4 | 0.9 |
| FORT ROSS | 2.1 | 2.7 | 0.4 | −0.2 | — | — | 1.3 |
| FALSE STRAIT | 1.2 | 1.3 | 0.7 | 0.5 | — | — | 0.9 |
| CAMBRIDGE BAY | 0.7 | 0.8 | 0.3 | 0.2 | 1.4 | −0.2 | 0.5 |
| TUKTOYAKTUK | 0.5 | 0.6 | 0.2 | 0.1 | 2.3 | −0.8 | 0.3 |

TABLE 3

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* LAT. N. / *LAT. N.* | POSITION LONG. W. / *LONG. O.* | DIFFERENCES *DIFFÉRENCES* — HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | LOWER LOW WATER / *BASSE MER INFÉRIEURE* TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | RANGE / *MARNAGE* MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ° ′ | ° ′ | *h. min* | *m* | *m* | *h. min* | *m* | *m* | *m* | *m* | *m* |
| | **AREA 1 / *RÉGION 1*** **GREENLAND — WEST COAST** | | | | | on *sur* SAND HEAD, pages 10-13 | | | | | | | |
| | LABRADOR SEA | | | | | | | | | | | | |
| 3510 | JULIANEHAAB | +3 | 60 43 | 46 02 | +4 37 | −0.8 | −0.6 | +4 35 | −0.7 | −0.8 | 2.0 | 3.4 | 1.2 |
| | DAVIS STRAIT | | | | | | | | | | | | |
| 3575 | GODTHAAB | +3 | 64 11 | 51 45 | +5 28 | +0.6 | +1.2 | +5 28 | −0.5 | −1.0 | 3.2 | 5.3 | 2.0 |
| | BAFFIN BAY | | | | | | | | | | | | |
| 3670 | NORTH STAR BAY | +4 | 76 32 | 68 50 | +10 11 | −0.7 | −0.5 | +9 15 | −0.5 | −0.5 | 1.9 | 3.1 | 1.4 |
| 3671 | THULE | +4 | 76 32 | 68 54 | +10 13 | −0.5 | −0.3 | +9 03 | −0.5 | −0.6 | 2.1 | 3.4 | |
| | SMITH SOUND | | | | | | | | | | | | |
| 3690 | FOULKE FIORD | +4 | 78 18 | 72 38 | +9 43 | +0.4 | +0.8 | +8 47 | −0.2 | −0.6 | 2.7 | 4.5 | 2.0 |
| | KANE BASIN | | | | | | | | | | | | |
| 3710 | RENSSELAER BAY | +4 | 78 37 | 71 00 | +10 05 | +0.2 | +0.6 | +9 09 | −0.2 | −0.6 | 2.5 | 4.3 | 1.9 |
| | HALL BASIN | | | | | | | | | | | | |
| 3735 | THANK GOD HARBOUR | +4 | 81 36 | 61 38 | +10 46 | −1.4 | −1.5 | +9 53 | −0.6 | −0.6 | 1.3 | 2.2 | 1.0 |
| | | | | | | on/*sur* HALL BEACH, pages 18-21 | | | | | | | |
| | LINCOLN SEA | | | | | | | | | | | | |
| 3755 | CAPE BRYANT | +4 | 82 22 | 55 08 | +3 21 | −0.7 | −0.9 | +3 27 | −0.2 | −0.2 | .4 | .6 | .2 |
| | **AREA 2 / *RÉGION 2*** **ELLESMERE ISLAND — EAST** | | | | | on/*sur* CHURCHILL, pages 14-17 | | | | | | | |
| | LINCOLN SEA | | | | | | | | | | | | |
| 3765 | ALERT | +5 | 82 30 | 62 20 | +2 15 | −3.4 | −4.1 | +2 28 | −0.5 | +0.2 | .5 | .9 | .5 |
| 3780 | CAPE SHERIDAN | +4 | 82 27 | 61 30 | +3 23 | −3.4 | −4.1 | +3 36 | −0.6 | +0.1 | .6 | 1.0 | .4 |
| | | | | | | on/*sur* SAND HEAD, pages 10-13 | | | | | | | |
| | HALL BASIN | | | | | | | | | | | | |
| 3785 | WRANGEL BAY | +4 | 82 00 | 62 30 | −1 22 | −1.6 | −1.8 | −1 55 | −0.9 | −0.4 | 1.2 | 1.8 | .9 |
| | | | | | | on/*sur* CHURCHILL, pages 14-17 | | | | | | | |
| 3790 | DISCOVERY HARBOUR | +4 | 81 44 | 64 44 | +4 48 | −2.3 | −2.7 | +4 39 | −0.4 | +0.1 | 1.4 | 2.4 | 1.1 |
| | | | | | | on/*sur* RESOLUTE, pages 22-25 | | | | | | | |
| | SMITH SOUND | | | | | | | | | | | | |
| 3840 | PIM ISLAND | +5 | 78 40 | 74 10 | −1 29 | +2.2 | +2.8 | −1 12 | +0.6 | +0.1 | 2.9 | 4.8 | 2.2 |

TABLE 3 Cont'd/*Suite*

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* | | DIFFERENCES / *DIFFÉRENCES* | | | | | | RANGE / *MARNAGE* | | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* | | | LOWER LOW WATER / *BASSE MER INFÉRIEURE* | | | | | |
| | | | LAT. N. / *LAT. N.* | LONG. W. / *LONG. O.* | TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | |
| | | | ° ′ | ° ′ | h. min | m | m | h. min | m | m | m | m | m |
| | **AREA 3 / *RÉGION* 3 — BAFFIN ISLAND — EAST** | | | | on *sur* RESOLUTE, pages 22-25 | | | | | | | | |
| | DAVIS STRAIT | | | | | | | | | | | | |
| 3940 | CLYDE RIVER | +4 | 69 50 | 70 22 | −0 15 | −0.3 | −0.4 | +1 02 | 0.0 | +0.3 | .9 | 1.4 | .7 |
| 3960 | CAPE HOOPER | +4 | 68 23 | 66 45 | +2 57 | −0.7 | −1.0 | −7 47 | −0.2 | 0.0 | .7 | 1.1 | .5 |
| 3970 | KIVITOO | +4 | 67 56 | 64 56 | +3 43 | −0.6 | −0.7 | −7 15 | −0.1 | −0.1 | .8 | 1.4 | .6 |
| 3980 | BROUGHTON ISLAND | +4 | 67 31 | 64 04 | +3 42 | −0.3 | +0.5 | −7 19 | 0.0 | 0.0 | .9 | 1.6 | .8 |
| | | | | | on *sur* FROBISHER, pages 2-5 | | | | | | | | |
| 3995 | CAPE DYER | +4 | 66 33 | 61 40 | −2 16 | −7.4 | −8.5 | −2 00 | −2.3 | −0.2 | 1.9 | 2.8 | 1.4 |
| | CUMBERLAND SOUND | | | | | | | | | | | | |
| 4040 | CLEARWATER FIORD | +4 | 66 36 | 67 19 | −1 26 | −3.8 | −4.0 | −1 23 | −1.7 | −0.5 | 4.8 | 7.7 | 3.5 |
| 4045 | IMIGEN ISLAND | +4 | 66 01 | 67 09 | −1 57 | −3.8 | −4.5 | −1 53 | −1.1 | −0.6 | 5.1 | 7.2 | 3.4 |
| | DAVIS STRAIT | | | | | | | | | | | | |
| 4070 | BREVOORT HARBOUR | +4 | 63 19 | 64 09 | −1 17 | −4.4 | −4.8 | −1 03 | −1.6 | −0.2 | 4.0 | 6.5 | 3.3 |
| | FROBISHER BAY | | | | | | | | | | | | |
| 4100 | RESOR ISLAND | +4 | 63 13 | 68 03 | +0 12 | +0.4 | +1.1 | +0 17 | +0.2 | +0.5 | 7.2 | 13.1 | 6.6 |
| 4120 | FROBISHER'S FARTHEST | +4 | 63 29 | 68 02 | −0 01 | −0.4 | 0.0 | +0 03 | −0.6 | 0.0 | 7.1 | 11.5 | 5.7 |
| 4135 | LEWIS BAY | +4 | 63 36 | 68 04 | +0 16 | −1.2 | −0.5 | +0 23 | −0.7 | −0.3 | 6.5 | 10.9 | 5.2 |
| | **AREA 4 / *RÉGION* 4 — HUDSON STRAIT** | | | | on *sur* DIANA BAY, pages 6-9 | | | | | | | | |
| | RESOLUTION ISLAND | | | | | | | | | | | | |
| 4160 | SORRY HARBOUR | +4 | 61 37 | 64 44 | −0 22 | −2.7 | −3.4 | −0 15 | −0.4 | +0.4 | 4.1 | 6.4 | |
| 4170 | ACADIA COVE | +4 | 61 21 | 64 54 | +0 35 | −1.8 | −2.1 | +0 36 | −0.2 | +0.1 | 4.8 | 8.0 | |
| | HUDSON STRAIT NORTH SHORE | | | | | | | | | | | | |
| 4205 | LAKE HARBOUR | +5 | 62 51 | 69 53 | +0 05 | +1.8 | +2.4 | +0 03 | +0.5 | 0.0 | 7.7 | 12.6 | 6.6 |
| 4215 | ASHE INLET | +5 | 62 33 | 70 35 | +0 12 | +1.0 | +1.4 | +0 12 | +0.1 | −0.2 | 7.3 | 11.8 | 5.8 |
| | FOXE CHANNEL | | | | | | | | | | | | |
| 4255 | SCHOONER HARBOUR | +5 | 64 24 | 77 52 | +3 12 | −3.5 | −4.1 | +3 11 | −1.6 | −1.1 | 4.5 | 7.2 | 2.8 |

TABLE 3 Cont'd/*Suite*

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* | | DIFFERENCES / *DIFFERENCES* | | | | | | RANGE / *MARNAGE* | | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* | | | LOWER LOW WATER / *BASSE MER INFÉRIEURE* | | | | | |
| | | | LAT. N. / *LAT. N.* | LONG. W. / *LONG. O.* | TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | |
| | | | ° ′ | ° ′ | h. min | m | m | h. min | m | m | m | m | m |
| | **AREA 4 / *RÉGION* 4**<br>**HUDSON STRAIT**<br>**Cont'd/*Suite*** | | | | | | | | | | | | |
| | | | | | on *sur* DIANA BAY, pages 6-9 | | | | | | | | |
| | UNGAVA BAY | | | | | | | | | | | | |
| 4265 | PORT BURWELL | +4 | 60 25 | 64 51 | +0 51 | −3.2 | −3.8 | +0 51 | −1.5 | −0.9 | 4.6 | 7.3 | 3.0 |
| 4295 | RIVIERE KOKSOAK (WEST ENTRANCE) | +5 | 58 32 | 68 12 | +0 09 | +2.3 | +2.8 | +0 10 | −0.2 | −0.6 | 9.1 | 12.9 | 6.4 |
| 4298 | FORT CHIMO (1) (2) | +5 | 58 06 | 68 19 | +1 58 | −3.2 | −3.5 | +3 23 | −1.2 | +0.1 | 4.6 | 5.9 | 3.0 |
| 4315 | LAC AUX FEUILLES | +5 | 58 44 | 69 50 | +1 11 | +3.7 | +4.2 | +1 01 | +0.7 | 0.0 | 9.6 | 13.6 | 7.5 |
| 4325 | HOPES ADVANCE BAY | +5 | 59 21 | 69 38 | +0 02 | +2.4 | +3.0 | +0 02 | +0.4 | −0.2 | 8.4 | 13.4 | 6.8 |
| 4335 | AGVIK ISLAND | +5 | 60 01 | 69 42 | +0 02 | +1.6 | +2.0 | +0 02 | +0.5 | +0.2 | 7.5 | 12.0 | 6.5 |
| 4340 | ILE PIKIYULIK | +5 | 60 00 | 69 55 | +0 55 | +0.2 | +0.1 | +0 55 | 0.0 | +0.1 | 6.6 | 10.2 | 5.4 |
| 4345 | ILE BASKING | +5 | 59 59 | 70 05 | +0 59 | +0.5 | +0.5 | +0 59 | 0.0 | 0.0 | 6.9 | 10.8 | 5.6 |
| | HUDSON STRAIT SOUTH SHORE | | | | | | | | | | | | |
| 4379 | KOARTAC | +5 | 61 02 | 69 38 | +0 09 | −0.7 | −1.3 | +0 09 | −0.6 | −0.2 | 6.3 | 9.1 | 4.7 |
| 4400 | STUPART BAY | +5 | 61 35 | 71 32 | +0 01 | −0.7 | −0.8 | +0 03 | −0.3 | −0.2 | 6.0 | 9.6 | 4.9 |
| 4415 | DOCTOR ISLAND | +5 | 61 41 | 71 34 | +0 14 | −0.7 | −0.6 | +0 14 | −0.6 | −0.5 | 6.2 | 10.1 | 4.7 |
| 4425 | WAKEHAM BAY | +5 | 61 36 | 72 15 | +0 22 | +1.0 | +0.9 | +0 21 | −0.1 | −0.2 | 7.5 | 11.3 | 5.8 |
| 4435 | DOUGLAS HARBOUR | +5 | 61 55 | 72 37 | +0 14 | −1.4 | −1.6 | +0 13 | −0.7 | −0.5 | 5.6 | 9.1 | 4.4 |
| 4460 | DECEPTION BAY | +5 | 62 09 | 74 45 | +0 57 | −3.6 | −4.4 | +0 57 | −0.9 | −0.1 | 3.6 | 5.9 | 3.1 |
| 4470 | SAGLOUC | +5 | 62 13 | 75 39 | +1 02 | −4.1 | −4.9 | +1 04 | −1.1 | −0.2 | 3.4 | 5.6 | 2.8 |
| | DIGGES ISLANDS | | | | | | | | | | | | |
| 4480 | DIGGES HARBOUR | +5 | 62 34 | 77 52 | +1 54 | −5.6 | −6.8 | +1 54 | −1.5 | −0.3 | 2.2 | 3.7 | 1.8 |
| 4490 | PORT DE LAPERRIERE | +5 | 62 34 | 78 04 | +1 31 | −6.3 | −7.7 | +1 31 | −1.9 | −0.5 | 2.0 | 3.0 | 1.3 |
| | NOTTINGHAM ISLAND | | | | | | | | | | | | |
| 4500 | PORT DE BOUCHERVILLE | +5 | 63 10 | 77 35 | +1 35 | −5.1 | −6.0 | +1 35 | −1.8 | −0.9 | 3.1 | 5.1 | 2.0 |

(1) CALCULATION OF INTERMEDIATE HEIGHTS USING THE METHOD ON PAGE vi (ESPECIALLY FOR FALLING TIDES) MAY RESULT IN ERRORS AS LARGE AS 1 METRE DUE TO NON-TIDAL RIVER EFFECTS.

(2) IN EARLY SUMMER FLUCTUATIONS IN RIVER OUTFLOW MAY CAUSE ACTUAL WATER LEVELS TO RISE TO A MAXIMUM OF 1.5 METRES ABOVE PREDICTED VALUES AT ALL STAGES OF THE TIDE.

(1) LES EFFETS DE RIVIERE NON DUS À LA MARÉE PEUVENT ENTRAÎNER DES ERREURS ATTEIGNANT 1 MÈTRE LORS DU CALCUL DES HAUTEURS INTERMÉDIAIRES PAR LA MÉTHODE DÉCRITE À LA PAGE xii (SURTOUT POUR LA MARÉE DESCENDANTE).

(2) LES FLUCTUATIONS DE L'ÉCOULEMENT DE LA RIVIÈRE AU DÉBUT DE L'ÉTÉ PEUVENT PROVOQUER UNE MONTÉE DES NIVEAUX D'EAU JUSQU'À UN MAXIMUM DE 1.5 MÈTRES AU-DESSUS DES NIVEAUX PRÉDITS, POUR TOUTES LES PHASES DE LA MARÉE.

TABLE 3 Cont'd/*Suite*
INFORMATION AND TIDAL DIFFERENCES
*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFÉRENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | ° ′ | ° ′ | h. min | m | m | h. min | m | m | m | m | m |
| | **AREA 5 / RÉGION 5 HUDSON BAY** | | | | | on/*sur* CHURCHILL, pages 14-17 | | | | | | | |
| | HUDSON BAY EAST | | | | | | | | | | | | |
| 4538 | AKULIVIK | +5 | 60 48 | 78 13 | +4 39 | *+0.4 | *+0.5 | +3 51 | *+0.1 | *0.0 | .3 | .5 | .3 |
| 4548 | NORTH KOPAK ISLAND | +5 | 60 00 | 77 45 | +5 27 | *+0.5 | *+0.5 | +4 26 | *+0.1 | *0.0 | .4 | .5 | .3 |
| 4575 | INUKJUAK | +5 | 58 27 | 78 06 | +3 50 | *+0.5 | *+0.6 | +3 58 | *+0.3 | *+0.2 | .3 | .4 | .4 |
| 4600 | TUKARAK ISLAND | +5 | 56 19 | 78 50 | +0 25 | −2.9 | −3.3 | +0 55 | −0.6 | +0.1 | 1.0 | 1.5 | .5 |
| 4610 | INNETALLING ISLAND | +5 | 55 54 | 79 04 | +0 45 | −2.6 | −3.1 | +0 41 | −0.4 | +0.2 | 1.2 | 1.8 | .9 |
| 4620 | FLAHERTY ISLAND | +5 | 55 53 | 79 37 | +0 14 | −2.5 | | +1 03 | −0.4 | | | | |
| | | | | | | on/*sur* SAND HEAD, pages 10-13 | | | | | | | |
| 4645 | POSTE-DE-LA-BALEINE | +5 | 55 16 | 77 46 | −6 01 | −1.5 | −1.7 | −5 54 | −0.7 | −0.5 | 1.3 | 1.9 | .9 |
| 4655 | POINTE LOUIS-XIV | +5 | 54 46 | 79 44 | −6 22 | −1.2 | −1.2 | −6 15 | −0.5 | −0.4 | 1.4 | 2.3 | 1.2 |
| | JAMES BAY EAST | | | | | | | | | | | | |
| 4662 | ROGGAN RIVER | +5 | 54 23 | 79 30 | −5 41 | −1.4 | −1.6 | −5 17 | −0.8 | −0.5 | 1.5 | 2.0 | .9 |
| 4680 | LA GRANDE RIVIERE | +5 | 53 50 | 79 02 | −5 39 | −1.1 | −1.3 | −5 36 | −0.5 | −0.3 | 1.5 | 2.1 | 1.2 |
| 4681 | LOON ISLANDS | +5 | 53 48 | 79 20 | −5 17 | −1.0 | −1.2 | −5 07 | −0.4 | −0.2 | 1.5 | 2.1 | 1.2 |
| 4688 | HOOK ISLAND | +5 | 53 26 | 79 07 | −4 48 | −1.9 | −2.2 | −4 40 | −0.7 | −0.3 | .9 | 1.2 | .7 |
| 4710 | EASTMAIN | +5 | 52 15 | 78 33 | +0 08 | −2.0 | −2.4 | +0 20 | −0.7 | −0.3 | .8 | 1.1 | .6 |
| 4720 | STRUTTON ISLANDS | +5 | 52 02 | 78 57 | −0 57 | −1.5 | −1.8 | −1 11 | −0.6 | −0.2 | 1.2 | 1.5 | .9 |
| 4730 | CHARLTON ISLAND | +5 | 51 58 | 79 18 | +0 15 | −1.1 | −1.2 | +0 11 | −0.5 | −0.3 | 1.5 | 2.2 | 1.2 |
| 4740 | STAG ISLAND | +5 | 51 38 | 79 02 | +1 18 | −0.4 | −0.5 | +1 15 | −0.4 | −0.3 | 2.0 | 2.9 | 1.6 |
| | MOOSE RIVER | | | | | | | | | | | | |
| 4790 | SHIP SANDS ISLAND | +5 | 51 20 | 80 26 | +0 35 | −0.5 | −0.5 | +1 15 | −0.1 | 0.0 | 1.7 | 2.7 | 1.8 |
| 4800 | NICHOLSON CREEK | +5 | 51 18 | 80 34 | +1 25 | −0.7 | −0.7 | +2 10 | −0.2 | −0.2 | 1.6 | 2.6 | 1.5 |
| 4810 | MOOSONEE | +5 | 51 17 | 80 38 | +1 45 | −0.8 | −0.8 | +2 45 | −0.2 | −0.2 | 1.5 | 2.6 | 1.6 |
| | JAMES BAY WEST | | | | | | | | | | | | |
| 4840 | FORT ALBANY | +5 | 52 07 | 81 22 | −0 07 | −0.7 | −0.7 | −0 03 | −0.6 | −0.6 | 2.0 | 3.0 | |
| 4880 | BEAR ISLAND | +5 | 54 21 | 81 05 | −6 11 | −0.7 | −0.8 | −6 27 | −0.9 | −0.7 | 2.1 | 3.0 | 1.3 |

*ACTUAL HEIGHT OF TIDE ABOVE CHART DATUM

*HAUTEUR RÉELLE DE LA MARÉE AU-DESSUS DU NIVEAU DU ZÉRO DES CARTES

TABLE 3 Cont'd/*Suite*

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFÉRENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | ° ′ | ° ′ | h. min | m | m | h. min | m | m | m | m | m |
| | **AREA 5 / RÉGION 5** **HUDSON BAY** *Cont'd/Suite* | | | | on/*sur* CHURCHILL, pages 14-17 | | | | | | | | |
| | HUDSON BAY WEST | | | | | | | | | | | | |
| 4920 | WINISK | +5 | 55 17 | 85 08 | −4 18 | −1.4 | −1.8 | −4 23 | −0.4 | +0.1 | 2.3 | 3.4 | 1.5 |
| 4980 | PORT NELSON | +5 | 57 00 | 92 30 | +3 31 | 0.0 | −0.2 | +4 45 | −0.5 | +0.2 | 3.8 | 4.8 | 1.9 |
| 5040 | ESKIMO POINT | +6 | 61 07 | 94 04 | −1 23 | −0.7 | −0.7 | −1 28 | 0.0 | +0.1 | 2.7 | 4.4 | 2.1 |
| 5070 | MARBLE ISLAND | +6 | 62 41 | 91 12 | −3 24 | −0.6 | −0.7 | −3 22 | +0.1 | +0.2 | 2.7 | 4.3 | 2.2 |
| 5100 | RANKIN INLET | +6 | 62 49 | 92 04 | −3 03 | −0.3 | −0.3 | −3 02 | +0.2 | +0.2 | 2.9 | 4.7 | 2.4 |
| 5140 | CHESTERFIELD INLET | +6 | 63 20 | 90 42 | −3 47 | −0.3 | −0.5 | −3 48 | +0.2 | +0.5 | 2.9 | 4.2 | 2.4 |
| | SOUTHAMPTON ISLAND | | | | | | | | | | | | |
| 5180 | CORAL HARBOUR | +5 | 64 08 | 83 10 | −8 02 | −0.8 | −1.0 | −7 59 | +0.1 | +0.3 | 2.5 | 3.9 | 2.0 |
| | ROES WELCOME SOUND | | | | | | | | | | | | |
| 5200 | REPULSE BAY | +6 | 66 32 | 86 15 | −6 35 | +1.1 | +1.5 | −6 42 | +0.3 | −0.1 | 4.2 | 6.8 | |
| | **AREA 6 / RÉGION 6** **FOXE BASIN** | | | | on/*sur* HALL BEACH, pages 18-21 | | | | | | | | |
| | FURY AND HECLA STRAIT | | | | | | | | | | | | |
| 5295 | IGLOOLIK | +5 | 69 22 | 81 48 | −0 23 | +1.2 | +1.5 | 0 00 | +0.2 | 0.0 | 1.9 | 2.9 | 1.4 |
| 5310 | SEVIGNY POINT | +4 | 69 47 | 82 07 | −0 13 | +1.1 | +1.4 | 0 00 | +0.2 | +0.1 | 1.8 | 2.7 | 1.3 |
| 5330 | PURFUR COVE | +5 | 69 50 | 84 15 | −1 47 | +1.3 | +1.6 | −2 02 | +0.3 | 0.0 | 1.9 | 3.0 | 1.3 |
| | ROWLEY ISLAND | | | | | | | | | | | | |
| 5358 | NEEDLE COVE | +5 | 69 06 | 79 06 | −1 21 | +1.2 | +1.5 | −0 27 | +0.2 | 0.0 | 2.0 | 3.0 | 1.4 |
| | SOUTHAMPTON ISLAND | | | | on/*sur* CHURCHILL, pages 14-17 | | | | | | | | |
| 5415 | NIAS ISLAND | +6 | 65 32 | 83 42 | −7 50 | −0.1 | 0.0 | −7 50 | +0.2 | +0.1 | | | |

**TABLE 3 Cont'd/*Suite***
**INFORMATION AND TIDAL DIFFERENCES**
***RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES***

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* LAT. N. / *LAT. N.* | POSITION LONG. W. / *LONG. O.* | DIFFERENCES *DIFFÉRENCES* — HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* — TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | LOWER LOW WATER / *BASSE MER INFÉRIEURE* — TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | RANGE / *MARNAGE* — MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ° ′ | ° ′ | h. min. | m. | m. | h. min. | m. | m. | m. | m. | m. |
| | **AREA 7 / *RÉGION* 7** **PERRY CHANNEL** | | | | | on/*sur* RESOLUTE, pages 22-25 | | | | | | | |
| | LANCASTER SOUND | | | | | | | | | | | | |
| 5430 | DUNDAS HARBOUR | +5 | 74 31 | 82 28 | −0 39 | +0.9 | +1.2 | −0 33 | +0.4 | +0.4 | 1.8 | 2.9 | 1.5 |
| | BARROW STRAIT | | | | | | | | | | | | |
| 5490 | RIGBY BAY | +6 | 74 33 | 90 10 | −0 53 | +0.7 | +0.9 | −0 52 | +0.3 | +0.2 | 1.7 | 2.8 | 1.4 |
| 5500 | RADSTOCK BAY | +6 | 74 43 | 91 05 | −0 46 | +0.6 | +0.7 | −0 44 | +0.1 | 0.0 | 1.7 | 2.8 | 1.3 |
| 5510 | BEECHEY ISLAND | +6 | 74 43 | 91 54 | −0 19 | +0.5 | +0.6 | −0 18 | +0.1 | 0.0 | 1.7 | 2.7 | 1.2 |
| 5600 | CAPE CAPEL | +6 | 75 04 | 98 14 | +0 47 | −0.3 | −0.4 | +0 51 | 0.0 | +0.1 | 1.0 | 1.6 | .8 |
| 5615 | HAMILTON ISLAND | +6 | 74 12 | 99 10 | +1 30 | −0.8 | −1.1 | +1 30 | −0.1 | +0.2 | .5 | .8 | .5 |
| | | | | | | on/*sur* TUKTOYAKTUK, pages 38-41 | | | | | | | |
| | VISCOUNT MELVILLE SOUND | | | | | | | | | | | | |
| 5643 | NATKUSIAK PENINSULA | +7 | 73 01 | 110 28 | −1 49 | +0.8 | +1.0 | −1 15 | +0.2 | 0.0 | .9 | 1.4 | .9 |
| 5645 | WINTER HARBOUR | +7 | 74 47 | 110 48 | −1 17 | +0.7 | +0.9 | −2 02 | +0.1 | −0.1 | 1.0 | 1.5 | .7 |
| 5650 | PEEL POINT | +7 | 73 16 | 115 11 | −2 08 | +0.6 | +0.7 | −1 35 | +0.3 | +0.2 | .7 | .9 | .8 |
| | **AREA 8 / *RÉGION* 8** **SOUTHERN ARCTIC** | | | | | on/*sur* RESOLUTE, pages 22-25 | | | | | | | |
| | MILNE INLET | | | | | | | | | | | | |
| 5790 | KOLUKTOO BAY | +5 | 72 06 | 80 47 | −0 45 | +0.3 | +0.4 | −0 18 | +0.1 | 0.0 | 1.5 | 2.5 | 1.0 |
| 5791 | MILNE INLET (HEAD) | +5 | 71 54 | 80 51 | −1 00 | +0.5 | +0.7 | −0 33 | +0.3 | +0.1 | 1.5 | 2.7 | 1.2 |
| 5795 | PISIKTARFIK ISLAND | +5 | 72 35 | 80 30 | −0 59 | +0.5 | +0.8 | −0 44 | +0.5 | +0.2 | 1.5 | 2.6 | 1.2 |
| | | | | | | on/*sur* DIANA BAY, pages 6-9 | | | | | | | |
| | ADMIRALTY INLET | | | | | | | | | | | | |
| 5860 | STRATHCONA SOUND | +5 | 73 03 | 84 24 | +3 54 | −6.2 | −7.6 | +3 41 | −1.6 | −0.2 | 1.7 | 2.8 | 1.5 |
| 5865 | ARCTIC BAY | +5 | 73 02 | 85 10 | +3 54 | −6.6 | −8.0 | +3 38 | −1.7 | −0.3 | 1.5 | 2.5 | 1.2 |
| | | | | | | on/*sur* FORT ROSS, pages 26-29 | | | | | | | |
| | PRINCE REGENT INLET | | | | | | | | | | | | |
| 5905 | PORT LEOPOLD | +6 | 73 50 | 90 20 | −1 17 | −0.1 | −0.2 | −1 01 | 0.0 | +0.2 | 1.6 | 2.5 | 1.2 |

TABLE 3 Cont'd/*Suite*

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / *NO. D'INDEX* | SECONDARY PORT / *PORT SECONDAIRE* | TIME ZONE / *FUSEAU HORAIRE* | POSITION / *POSITION* | | DIFFERENCES / *DIFFÉRENCES* | | | | | | RANGE / *MARNAGE* | | MEAN WATER LEVEL / *NIVEAU MOYEN DE L'EAU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / *PLEINE MER SUPÉRIEURE* | | | LOWER LOW WATER / *BASSE MER INFÉRIEURE* | | | | | |
| | | | LAT. N. / *LAT. N.* | LONG. W. / *LONG. O.* | TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | TIME / *HEURE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | MEAN TIDE / *MARÉE MOYENNE* | LARGE TIDE / *GRANDE MARÉE* | |
| | | | ° ′ | ° ′ | h. min | m | m | h. min | m | m | m | m | m |
| | **AREA 8 / *RÉGION* 8** **SOUTHERN ARCTIC** Cont'd/*Suite* | | | | on/*sur* CAMBRIDGE BAY, pages 34-37 | | | | | | | | |
| | ST ROCH BASIN | | | | | | | | | | | | |
| 6150 | SPENCE BAY | +6 | 69 32 | 93 31 | −1 30 | −0.3 | −0.3 | −1 40 | −0.1 | −0.1 | .2 | .3 | .3 |
| | RASMUSSEN BASIN | | | | | | | | | | | | |
| 6160 | SHEPHERD BAY | +6 | 68 46 | 93 34 | +0 09 | −0.1 | −0.2 | +0 32 | 0.0 | 0.0 | .2 | .4 | |
| | CORONATION GULF | | | | | | | | | | | | |
| 6290 | COPPERMINE | +7 | 67 49 | 115 05 | +5 43 | −0.3 | −0.4 | +2 42 | −0.1 | −0.1 | .2 | .3 | .3 |
| | DOLPHIN AND UNION STRAIT | | | | | | | | | | | | |
| 6310 | BERNARD HARBOUR | +7 | 68 47 | 114 47 | −3 36 | +0.5 | +0.5 | −2 49 | +0.4 | +0.3 | .5 | .8 | 1.0 |
| 6338 | TYSOE POINT | +7 | 69 37 | 120 47 | +6 43 | 0.0 | 0.0 | +7 18 | −0.1 | −0.1 | .5 | .7 | .5 |
| | AMUNDSEN GULF | | | | | | | | | | | | |
| 6340 | PEARCE POINT | +7 | 69 49 | 122 40 | +6 22 | −0.1 | −0.1 | +7 08 | −0.1 | −0.1 | .4 | .5 | .4 |
| 6350 | PAULATUK | +7 | 69 21 | 124 04 | +6 40 | 0.0 | 0.0 | +7 17 | −0.1 | −0.1 | .4 | .7 | .5 |
| 6360 | CAPE PARRY | +7 | 70 09 | 124 40 | +6 14 | −0.2 | −0.2 | +6 56 | −0.1 | −0.2 | .3 | .5 | .4 |
| 6367 | FRANKLIN BAY | +7 | 69 45 | 125 35 | +5 26 | −0.3 | −0.3 | +6 07 | −0.2 | −0.2 | .3 | .5 | .3 |
| | BEAUFORT SEA | | | | on/*sur* TUKTOYAKTUK, pages 38-41 | | | | | | | | |
| 6424 | SACHS HARBOUR | +7 | 71 58 | 125 15 | −3 57 | −0.4 | −0.4 | −5 38 | −0.2 | −0.2 | .2 | .3 | .2 |
| 6443 | BAILLIE ISLANDS | +7 | 70 31 | 128 21 | +2 20 | −0.2 | −0.3 | +2 13 | −0.1 | −0.1 | .2 | .3 | .2 |
| 6457 | ESKIMO LAKES (ENTRANCE) | +7 | 69 32 | 130 56 | +4 56 | +0.4 | +0.5 | +4 41 | 0.0 | 0.0 | .7 | 1.0 | .6 |
| 6472 | CAPE DALHOUSIE | +7 | 70 16 | 129 39 | +0 39 | +0.2 | +0.2 | +1 02 | 0.0 | 0.0 | .5 | .7 | .5 |
| 6476 | ATKINSON POINT | +7 | 69 57 | 131 28 | −0 57 | −0.1 | −0.1 | −0 54 | 0.0 | 0.0 | .3 | .5 | .4 |
| 6495 | HOOPER ISLAND | +7 | 69 41 | 134 50 | −0 54 | −0.2 | −0.2 | −1 04 | −0.1 | 0.0 | .2 | .3 | .3 |
| 6497 | PELLY ISLAND | +7 | 69 37 | 135 22 | −1 17 | −0.3 | −0.4 | −1 46 | −0.2 | −0.2 | .2 | .3 | .2 |
| 6505 | SHINGLE POINT | +7 | 68 56 | 137 12 | −0 35 | −0.1 | −0.1 | −1 01 | 0.0 | 0.0 | .3 | .5 | .4 |
| 6515 | KAY POINT | +7 | 69 17 | 138 28 | −1 04 | −0.1 | −0.1 | −1 28 | 0.0 | 0.0 | .2 | .4 | .3 |
| 6525 | HERSCHEL ISLAND | +7 | 69 34 | 138 55 | −1 16 | −0.1 | −0.1 | −1 41 | 0.0 | 0.0 | .2 | .4 | .4 |

TABLE 3 Cont'd/*Suite*

INFORMATION AND TIDAL DIFFERENCES

*RENSEIGNEMENTS ET DIFFÉRENCES DES MARÉES*

| INDEX NO. / NO. D'INDEX | SECONDARY PORT / PORT SECONDAIRE | TIME ZONE / FUSEAU HORAIRE | POSITION / POSITION | | DIFFERENCES / DIFFÉRENCES | | | | | | RANGE / MARNAGE | | MEAN WATER LEVEL / NIVEAU MOYEN DE L'EAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | HIGHER HIGH WATER / PLEINE MER SUPÉRIEURE | | | LOWER LOW WATER / BASSE MER INFÉRIEURE | | | | | |
| | | | LAT. N. / LAT. N. | LONG. W. / LONG. O. | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | TIME / HEURE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | MEAN TIDE / MARÉE MOYENNE | LARGE TIDE / GRANDE MARÉE | |
| | | | ° ′ | ° ′ | h. min. | m. | m. | h. min. | m. | m. | m. | m. | m. |
| | **AREA / RÉGION 9** NORTHERN ARCTIC — EAST | | | | | | | | | | | | |
| | | | | | | on/*sur* RESOLUTE, pages 22-25 | | | | | | | |
| | JONES SOUND | | | | | | | | | | | | |
| 6560 | CAPE SKOGN | +5 | 75 47 | 84 10 | −0 53 | +1.4 | +1.7 | −0 47 | +0.3 | +0.2 | 2.5 | 3.6 | 1.7 |
| 6570 | GRISE FIORD | +5 | 76 25 | 83 05 | −1 00 | +1.4 | +1.7 | −0 42 | +0.3 | +0.2 | 2.5 | 3.6 | 1.7 |
| 6580 | BAY OF WOE | +5 | 76 25 | 89 04 | −0 38 | +1.1 | +1.4 | −0 13 | +0.4 | +0.2 | 2.1 | 3.3 | 1.6 |
| | EUREKA SOUND | | | | | | | | | | | | |
| 6640 | EUREKA | +6 | 79 59 | 85 57 | +2 29 | −1.2 | −1.6 | +3 10 | +0.1 | +0.4 | .0 | .1 | .3 |
| | NANSEN SOUND | | | | | | | | | | | | |
| 6660 | ICEBERG POINT | +5 | 80 25 | 86 10 | +4 24 | −0.9 | −1.2 | +3 36 | +0.2 | +0.5 | .2 | .5 | .6 |
| 6670 | GREELY FIORD | +5 | 80 36 | 79 35 | +5 23 | −1.1 | −1.4 | +5 04 | 0.0 | +0.2 | .2 | .5 | .4 |
| | TANQUARY FIORD | | | | | | | | | | | | |
| 6680 | TANQUARY CAMP | +5 | 81 24 | 77 55 | +5 40 | −1.3 | −1.7 | +5 17 | −0.2 | +0.1 | .2 | .3 | .2 |
| | NANSEN SOUND | | | | | | | | | | | | |
| 6704 | KLEYBOLTE PENINSULA | +5 | 81 33 | 91 30 | −1 35 | −1.0 | −1.2 | −0 16 | +0.2 | +0.3 | .1 | .5 | .5 |
| | ARCTIC OCEAN | | | | | | | | | | | | |
| 6730 | DISRAELI FIORD | +5 | 82 53 | 74 30 | +7 14 | −0.6 | −0.8 | +6 58 | +0.5 | +0.7 | .1 | .6 | .9 |
| | LINCOLN SEA | | | | | | | | | | | | |
| 6735 | CAPE ALDRICH | +5 | 83 07 | 69 40 | +7 22 | −1.2 | −1.5 | +7 18 | −0.2 | +0.1 | .3 | .5 | .2 |
| | QUEENS CHANNEL | | | | | | | | | | | | |
| 6765 | AIRSTRIP POINT | +6 | 76 05 | 97 44 | +0 09 | −0.5 | −0.6 | +0 22 | −0.2 | −0.1 | 1.0 | 1.5 | .6 |
| | PENNY STRAIT | | | | | | | | | | | | |
| 6780 | NORTHUMBERLAND SOUND | +6 | 76 52 | 98 42 | +0 36 | −1.0 | −1.3 | +0 38 | −0.3 | 0.0 | .5 | .8 | .3 |
| | **AREA / RÉGION 10** NORTHERN ARCTIC — WEST | | | | | | | | | | | | |
| | ELLEF RINGNES ISLAND | | | | | | | | | | | | |
| 6910 | ISACHSEN | +7 | 78 47 | 103 32 | +1 53 | −1.1 | −1.5 | +1 49 | −0.1 | +0.2 | .2 | .4 | .3 |
| | | | | | | on/*sur* TUKTOYAKTUK, pages 38-41 | | | | | | | |
| | PRINCE PATRICK ISLAND | | | | | | | | | | | | |
| 6955 | MOULD BAY | +7 | 76 17 | 119 28 | −0 32 | 0.0 | −0.1 | −0 40 | −0.1 | −0.1 | .4 | .5 | .4 |

ADDITIONAL INFORMATION (SEE CANADIAN NOTICES TO MARINERS, WEEKLY EDITION NO. 46)
RENSEIGNEMENTS SUPPLÉMENTAIRES (VOIR AVIS CANADIENS AUX NAVIGATEURS, ÉDITION HEBDOMADAIRE NO. 46)

# Daily Tables Tables quotidiennes

# FROBISHER (AST -4)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0140 | 8.3 | 16 | 0210 | 9.1 |
| | 0800 | 3.9 | | 0840 | 3.1 |
| SU | 1405 | 7.9 | MO | 1445 | 8.5 |
| DI | 2025 | 3.9 | LU | 2105 | 3.2 |
| 2 | 0240 | 8.1 | 17 | 0325 | 8.9 |
| | 0905 | 4.0 | | 0955 | 3.2 |
| MO | 1510 | 7.7 | TU | 1605 | 8.4 |
| LU | 2125 | 4.0 | MA | 2220 | 3.3 |
| 3 | 0345 | 8.2 | 18 | 0445 | 9.0 |
| | 1015 | 3.9 | | 1110 | 3.0 |
| TU | 1620 | 7.8 | WE | 1720 | 8.5 |
| MA | 2235 | 3.9 | ME | 2330 | 3.1 |
| 4 | 0450 | 8.5 | 19 | 0550 | 9.3 |
| | 1115 | 3.5 | | 1215 | 2.7 |
| WE | 1725 | 8.1 | TH | 1825 | 8.8 |
| ME | 2330 | 3.5 | JE | | |
| 5 | 0550 | 8.9 | 20 | 0030 | 2.8 |
| | 1210 | 3.0 | | 0645 | 9.6 |
| TH | 1820 | 8.6 | FR | 1305 | 2.3 |
| JE | | | VE | 1915 | 9.2 |
| 6 | 0025 | 3.1 | 21 | 0120 | 2.4 |
| | 0640 | 9.4 | | 0730 | 10.0 |
| FR | 1300 | 2.5 | SA | 1350 | 1.9 |
| VE | 1905 | 9.1 | SA | 1955 | 9.5 |
| 7 | 0110 | 2.6 | 22 | 0205 | 2.1 |
| | 0725 | 10.0 | | 0810 | 10.3 |
| SA | 1345 | 2.0 | SU | 1430 | 1.6 |
| SA | 1950 | 9.5 | DI | 2035 | 9.8 |
| 8 | 0155 | 2.1 | 23 | 0240 | 1.9 |
| | 0805 | 10.4 | | 0850 | 10.4 |
| SU | 1425 | 1.5 | MO | 1510 | 1.5 |
| DI | 2030 | 9.9 | LU | 2110 | 10.0 |
| 9 | 0240 | 1.7 | 24 | 0320 | 1.8 |
| | 0845 | 10.8 | | 0925 | 10.4 |
| MO | 1505 | 1.2 | TU | 1545 | 1.5 |
| LU | 2110 | 10.2 | MA | 2145 | 10.0 |
| 10 | 0320 | 1.5 | 25 | 0355 | 1.8 |
| | 0930 | 10.9 | | 0955 | 10.3 |
| TU | 1550 | 1.0 | WE | 1615 | 1.6 |
| MA | 2155 | 10.4 | ME | 2215 | 9.9 |
| 11 | 0405 | 1.4 | 26 | 0425 | 2.0 |
| | 1010 | 10.9 | | 1030 | 10.0 |
| WE | 1630 | 1.0 | TH | 1645 | 1.9 |
| ME | 2235 | 10.5 | JE | 2250 | 9.7 |
| 12 | 0450 | 1.5 | 27 | 0500 | 2.3 |
| | 1055 | 10.7 | | 1100 | 9.7 |
| TH | 1715 | 1.2 | FR | 1720 | 2.3 |
| JE | 2320 | 10.3 | VE | 2320 | 9.4 |
| 13 | 0535 | 1.7 | 28 | 0535 | 2.7 |
| | 1140 | 10.2 | | 1135 | 9.2 |
| FR | 1800 | 1.6 | SA | 1750 | 2.8 |
| VE | | | SA | 2355 | 9.1 |
| 14 | 0010 | 10.0 | 29 | 0610 | 3.1 |
| | 0630 | 2.2 | | 1210 | 8.7 |
| SA | 1235 | 9.7 | SU | 1825 | 3.3 |
| SA | 1855 | 2.2 | DI | | |
| 15 | 0105 | 9.5 | 30 | 0035 | 8.7 |
| | 0730 | 2.7 | | 0655 | 3.6 |
| SU | 1335 | 9.1 | MO | 1255 | 8.1 |
| DI | 1955 | 2.7 | LU | 1915 | 3.7 |
| | | | 31 | 0125 | 8.2 |
| | | | | 0755 | 4.0 |
| | | | TU | 1355 | 7.6 |
| | | | MA | 2015 | 4.1 |

### FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0240 | 8.0 | 16 | 0435 | 8.4 |
| | 0915 | 4.2 | | 1100 | 3.4 |
| WE | 1525 | 7.4 | TH | 1720 | 8.0 |
| ME | 2140 | 4.3 | JE | 2325 | 3.6 |
| 2 | 0410 | 8.0 | 17 | 0545 | 8.8 |
| | 1040 | 4.0 | | 1210 | 3.0 |
| TH | 1655 | 7.6 | FR | 1820 | 8.5 |
| JE | 2300 | 3.9 | VE | | |
| 3 | 0525 | 8.5 | 18 | 0025 | 3.1 |
| | 1150 | 3.4 | | 0640 | 9.3 |
| FR | 1800 | 8.2 | SA | 1300 | 2.5 |
| VE | | | SA | 1905 | 9.0 |
| 4 | 0005 | 3.3 | 19 | 0110 | 2.6 |
| | 0620 | 9.2 | | 0720 | 9.7 |
| SA | 1240 | 2.6 | SU | 1340 | 2.0 |
| SA | 1850 | 9.0 | DI | 1945 | 9.5 |
| 5 | 0055 | 2.6 | 20 | 0150 | 2.1 |
| | 0710 | 10.0 | | 0800 | 10.1 |
| SU | 1325 | 1.8 | MO | 1415 | 1.6 |
| DI | 1935 | 9.7 | LU | 2015 | 9.9 |
| 6 | 0140 | 1.8 | 21 | 0225 | 1.7 |
| | 0750 | 10.6 | | 0830 | 10.3 |
| MO | 1410 | 1.1 | TU | 1445 | 1.4 |
| LU | 2015 | 10.4 | MA | 2045 | 10.1 |
| 7 | 0225 | 1.2 | 22 | 0300 | 1.5 |
| | 0830 | 11.2 | | 0900 | 10.5 |
| TU | 1450 | .6 | WE | 1515 | 1.3 |
| MA | 2055 | 10.9 | ME | 2115 | 10.3 |
| 8 | 0305 | .7 | 23 | 0330 | 1.5 |
| | 0910 | 11.4 | | 0930 | 10.4 |
| WE | 1530 | .3 | TH | 1545 | 1.4 |
| ME | 2135 | 11.2 | JE | 2145 | 10.3 |
| 9 | 0345 | .6 | 24 | 0355 | 1.6 |
| | 0950 | 11.4 | | 1000 | 10.2 |
| TH | 1610 | .3 | FR | 1610 | 1.6 |
| JE | 2215 | 11.2 | VE | 2215 | 10.1 |
| 10 | 0430 | .7 | 25 | 0425 | 1.8 |
| | 1035 | 11.2 | | 1025 | 9.9 |
| FR | 1650 | .7 | SA | 1640 | 2.0 |
| VE | 2300 | 10.9 | SA | 2245 | 9.8 |
| 11 | 0515 | 1.1 | 26 | 0455 | 2.2 |
| | 1120 | 10.6 | | 1055 | 9.4 |
| SA | 1735 | 1.3 | SU | 1710 | 2.5 |
| SA | 2345 | 10.4 | DI | 2315 | 9.4 |
| 12 | 0605 | 1.7 | 27 | 0530 | 2.7 |
| | 1205 | 9.8 | | 1130 | 8.8 |
| SU | 1825 | 2.1 | MO | 1745 | 3.0 |
| DI | | | LU | 2350 | 8.9 |
| 13 | 0035 | 9.7 | 28 | 0610 | 3.3 |
| | 0700 | 2.5 | | 1210 | 8.2 |
| MO | 1305 | 8.9 | TU | 1825 | 3.6 |
| LU | 1925 | 2.9 | MA | | |
| 14 | 0135 | 9.0 | | | |
| | 0810 | 3.2 | | | |
| TU | 1415 | 8.2 | | | |
| MA | 2040 | 3.5 | | | |
| 15 | 0300 | 8.5 | | | |
| | 0935 | 3.6 | | | |
| WE | 1550 | 7.8 | | | |
| ME | 2205 | 3.8 | | | |

### MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0035 | 8.4 | 16 | 0240 | 8.1 |
| | 0705 | 3.9 | | 0915 | 3.8 |
| WE | 1305 | 7.6 | TH | 1540 | 7.6 |
| ME | 1925 | 4.2 | JE | 2150 | 4.1 |
| 2 | 0145 | 7.9 | 17 | 0420 | 8.1 |
| | 0825 | 4.3 | | 1045 | 3.6 |
| TH | 1435 | 7.2 | FR | 1710 | 7.9 |
| JE | 2055 | 4.4 | VE | 2310 | 3.7 |
| 3 | 0330 | 7.8 | 18 | 0535 | 8.5 |
| | 1005 | 4.1 | | 1155 | 3.1 |
| FR | 1630 | 7.4 | SA | 1805 | 8.4 |
| VE | 2235 | 4.1 | SA | | |
| 4 | 0500 | 8.3 | 19 | 0010 | 3.2 |
| | 1125 | 3.4 | | 0625 | 9.0 |
| SA | 1740 | 8.2 | SU | 1240 | 2.6 |
| SA | 2340 | 3.3 | DI | 1845 | 9.0 |
| 5 | 0600 | 9.1 | 20 | 0055 | 2.6 |
| | 1215 | 2.5 | | 0700 | 9.5 |
| SU | 1830 | 9.1 | MO | 1315 | 2.1 |
| DI | | | LU | 1920 | 9.5 |
| 6 | 0035 | 2.3 | 21 | 0130 | 2.1 |
| | 0645 | 10.0 | | 0735 | 9.8 |
| MO | 1300 | 1.6 | TU | 1350 | 1.8 |
| LU | 1910 | 10.1 | MA | 1950 | 9.9 |
| 7 | 0120 | 1.5 | 22 | 0200 | 1.7 |
| | 0725 | 10.8 | | 0800 | 10.1 |
| TU | 1345 | .8 | WE | 1415 | 1.5 |
| MA | 1950 | 10.9 | ME | 2015 | 10.2 |
| 8 | 0200 | .7 | 23 | 0230 | 1.5 |
| | 0810 | 11.3 | | 0830 | 10.3 |
| WE | 1425 | .2 | TH | 1445 | 1.4 |
| ME | 2030 | 11.4 | JE | 2045 | 10.4 |
| 9 | 0245 | .2 | 24 | 0300 | 1.3 |
| | 0850 | 11.6 | | 0900 | 10.3 |
| TH | 1505 | .0 | FR | 1510 | 1.5 |
| JE | 2110 | 11.7 | VE | 2110 | 10.4 |
| 10 | 0325 | .1 | 25 | 0325 | 1.4 |
| | 0930 | 11.6 | | 0925 | 10.1 |
| FR | 1545 | .1 | SA | 1540 | 1.7 |
| VE | 2150 | 11.6 | SA | 2140 | 10.3 |
| 11 | 0410 | .3 | 26 | 0355 | 1.6 |
| | 1010 | 11.2 | | 0955 | 9.8 |
| SA | 1630 | .5 | SU | 1605 | 2.0 |
| SA | 2235 | 11.2 | DI | 2210 | 10.0 |
| 12 | 0455 | .8 | 27 | 0425 | 2.0 |
| | 1055 | 10.5 | | 1025 | 9.4 |
| SU | 1710 | 1.3 | MO | 1635 | 2.4 |
| DI | 2320 | 10.5 | LU | 2240 | 9.5 |
| 13 | 0540 | 1.6 | 28 | 0500 | 2.6 |
| | 1145 | 9.7 | | 1100 | 8.8 |
| MO | 1800 | 2.2 | TU | 1710 | 3.0 |
| LU | | | MA | 2320 | 9.0 |
| 14 | 0010 | 9.7 | 29 | 0540 | 3.1 |
| | 0635 | 2.5 | | 1140 | 8.2 |
| TU | 1240 | 8.7 | WE | 1755 | 3.6 |
| MA | 1900 | 3.1 | ME | | |
| 15 | 0110 | 8.8 | 30 | 0005 | 8.4 |
| | 0745 | 3.4 | | 0635 | 3.7 |
| WE | 1355 | 7.9 | TH | 1235 | 7.6 |
| ME | 2015 | 3.8 | JE | 1900 | 4.1 |
| | | | 31 | 0115 | 7.9 |
| | | | | 0755 | 4.0 |
| | | | FR | 1410 | 7.3 |
| | | | VE | 2030 | 4.3 |

**METRES**

## TABLE DES MARÉES

# FROBISHER (HNA 2+1)

1989

### APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0255 | 7.8 | 16 | 0500 | 8.3 |
| | 0930 | 3.9 | | 1120 | 3.3 |
| SA | 1555 | 7.6 | SU | 1730 | 8.4 |
| SA | 2200 | 3.9 | DI | 2340 | 3.3 |
| 2 | 0425 | 8.3 | 17 | 0550 | 8.7 |
| | 1045 | 3.2 | | 1205 | 2.8 |
| SU | 1705 | 8.4 | MO | 1810 | 8.9 |
| DI | 2310 | 3.1 | LU | | |
| 3 | 0525 | 9.1 | 18 | 0020 | 2.7 |
| | 1145 | 2.3 | | 0625 | 9.1 |
| MO | 1755 | 9.4 | TU | 1240 | 2.4 |
| LU | | | MA | 1845 | 9.3 |
| 4 | 0005 | 2.1 | 19 | 0055 | 2.3 |
| | 0615 | 9.9 | | 0700 | 9.4 |
| TU | 1230 | 1.5 | WE | 1310 | 2.1 |
| MA | 1840 | 10.3 | ME | 1915 | 9.8 |
| 5 | 0055 | 1.2 | 20 | 0130 | 1.9 |
| | 0700 | 10.7 | | 0730 | 9.7 |
| WE | 1315 | .8 | TH | 1340 | 1.9 |
| ME | 1920 | 11.0 | JE | 1940 | 10.1 |
| 6 | 0140 | .5 | 21 | 0200 | 1.6 |
| | 0745 | 11.2 | | 0800 | 9.9 |
| TH | 1400 | .3 | FR | 1410 | 1.8 |
| JE | 2005 | 11.5 | VE | 2010 | 10.3 |
| 7 | 0220 | .2 | 22 | 0230 | 1.5 |
| | 0825 | 11.4 | | 0830 | 9.9 |
| FR | 1440 | .2 | SA | 1440 | 1.8 |
| VE | 2045 | 11.7 | SA | 2040 | 10.3 |
| 8 | 0305 | .1 | 23 | 0300 | 1.6 |
| | 0905 | 11.3 | | 0900 | 9.8 |
| SA | 1520 | .3 | SU | 1510 | 1.9 |
| SA | 2125 | 11.6 | DI | 2115 | 10.2 |
| 9 | 0350 | .4 | 24 | 0330 | 1.8 |
| | 0950 | 10.9 | | 0930 | 9.5 |
| SU | 1605 | .8 | MO | 1540 | 2.2 |
| DI | 2210 | 11.1 | LU | 2145 | 9.9 |
| 10 | 0435 | .9 | 25 | 0405 | 2.1 |
| | 1035 | 10.2 | | 1005 | 9.2 |
| MO | 1650 | 1.6 | TU | 1615 | 2.6 |
| LU | 2255 | 10.4 | MA | 2220 | 9.5 |
| 11 | 0520 | 1.7 | 26 | 0445 | 2.5 |
| | 1125 | 9.4 | | 1045 | 8.7 |
| TU | 1740 | 2.4 | WE | 1655 | 3.0 |
| MA | 2345 | 9.5 | ME | 2305 | 9.1 |
| 12 | 0615 | 2.6 | 27 | 0530 | 3.0 |
| | 1220 | 8.5 | | 1130 | 8.3 |
| WE | 1840 | 3.3 | TH | 1745 | 3.4 |
| ME | | | JE | 2355 | 8.6 |
| 13 | 0050 | 8.7 | 28 | 0625 | 3.4 |
| | 0725 | 3.4 | | 1230 | 7.9 |
| TH | 1335 | 7.8 | FR | 1850 | 3.8 |
| JE | 1955 | 3.9 | VE | | |
| 14 | 0215 | 8.1 | 29 | 0100 | 8.3 |
| | 0850 | 3.7 | | 0735 | 3.5 |
| FR | 1515 | 7.6 | SA | 1350 | 7.8 |
| VE | 2125 | 4.1 | SA | 2005 | 3.9 |
| 15 | 0350 | 8.0 | 30 | 0225 | 8.2 |
| | 1015 | 3.7 | | 0855 | 3.4 |
| SA | 1635 | 7.9 | SU | 1515 | 8.1 |
| SA | 2245 | 3.7 | DI | 2130 | 3.5 |

### MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0345 | 8.5 | 16 | 0500 | 8.3 |
| | 1005 | 2.9 | | 1115 | 3.2 |
| MO | 1625 | 8.7 | TU | 1720 | 8.6 |
| LU | 2235 | 2.9 | MA | 2340 | 3.1 |
| 2 | 0450 | 9.1 | 17 | 0540 | 8.6 |
| | 1105 | 2.3 | | 1155 | 2.9 |
| TU | 1720 | 9.5 | WE | 1800 | 9.1 |
| MA | 2335 | 2.1 | ME | | |
| 3 | 0545 | 9.7 | 18 | 0015 | 2.7 |
| | 1200 | 1.6 | | 0620 | 8.9 |
| WE | 1810 | 10.3 | TH | 1230 | 2.7 |
| ME | | | JE | 1835 | 9.4 |
| 4 | 0025 | 1.3 | 19 | 0055 | 2.3 |
| | 0630 | 10.3 | | 0655 | 9.2 |
| TH | 1245 | 1.1 | FR | 1305 | 2.4 |
| JE | 1855 | 10.9 | VE | 1910 | 9.8 |
| 5 | 0115 | .8 | 20 | 0130 | 2.0 |
| | 0720 | 10.7 | | 0730 | 9.4 |
| FR | 1330 | .8 | SA | 1340 | 2.2 |
| VE | 1940 | 11.3 | SA | 1945 | 10.0 |
| 6 | 0200 | .5 | 21 | 0205 | 1.9 |
| | 0805 | 10.8 | | 0805 | 9.4 |
| SA | 1415 | .7 | SU | 1415 | 2.2 |
| SA | 2025 | 11.4 | DI | 2020 | 10.1 |
| 7 | 0245 | .5 | 22 | 0240 | 1.8 |
| | 0850 | 10.7 | | 0840 | 9.4 |
| SU | 1500 | .9 | MO | 1450 | 2.2 |
| DI | 2105 | 11.2 | LU | 2055 | 10.0 |
| 8 | 0330 | .7 | 23 | 0315 | 1.9 |
| | 0935 | 10.4 | | 0920 | 9.3 |
| MO | 1545 | 1.3 | TU | 1525 | 2.3 |
| LU | 2150 | 10.8 | MA | 2135 | 9.9 |
| 9 | 0415 | 1.2 | 24 | 0355 | 2.0 |
| | 1020 | 9.9 | | 0955 | 9.1 |
| TU | 1635 | 1.9 | WE | 1605 | 2.5 |
| MA | 2240 | 10.1 | ME | 2215 | 9.7 |
| 10 | 0505 | 1.9 | 25 | 0435 | 2.3 |
| | 1110 | 9.2 | | 1040 | 8.9 |
| WE | 1725 | 2.5 | TH | 1650 | 2.8 |
| ME | 2330 | 9.4 | JE | 2255 | 9.4 |
| 11 | 0600 | 2.5 | 26 | 0520 | 2.5 |
| | 1205 | 8.6 | | 1125 | 8.7 |
| TH | 1820 | 3.2 | FR | 1740 | 3.0 |
| JE | | | VE | 2345 | 9.1 |
| 12 | 0030 | 8.7 | 27 | 0615 | 2.7 |
| | 0700 | 3.1 | | 1220 | 8.5 |
| FR | 1310 | 8.1 | SA | 1835 | 3.2 |
| VE | 1925 | 3.7 | SA | | |
| 13 | 0140 | 8.2 | 28 | 0045 | 8.8 |
| | 0810 | 3.5 | | 0715 | 2.9 |
| SA | 1430 | 7.9 | SU | 1325 | 8.5 |
| SA | 2040 | 3.9 | DI | 1945 | 3.3 |
| 14 | 0255 | 8.0 | 29 | 0150 | 8.7 |
| | 0925 | 3.6 | | 0820 | 2.9 |
| SU | 1540 | 8.0 | MO | 1435 | 8.7 |
| DI | 2155 | 3.8 | LU | 2055 | 3.1 |
| 15 | 0405 | 8.1 | 30 | 0305 | 8.7 |
| | 1025 | 3.5 | | 0925 | 2.7 |
| MO | 1635 | 8.3 | TU | 1545 | 9.1 |
| LU | 2250 | 3.5 | MA | 2205 | 2.7 |
| | | | 31 | 0410 | 9.0 |
| | | | | 1030 | 2.4 |
| | | | WE | 1645 | 9.5 |
| | | | ME | 2305 | 2.2 |

### JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0515 | 9.4 | 16 | 0540 | 8.3 |
| | 1130 | 2.0 | | 1145 | 3.2 |
| TH | 1740 | 10.1 | FR | 1800 | 9.0 |
| JE | | | VE | | |
| 2 | 0005 | 1.7 | 17 | 0020 | 2.8 |
| | 0610 | 9.7 | | 0625 | 8.6 |
| FR | 1220 | 1.7 | SA | 1230 | 2.9 |
| VE | 1835 | 10.5 | SA | 1840 | 9.4 |
| 3 | 0055 | 1.3 | 18 | 0100 | 2.5 |
| | 0700 | 10.0 | | 0705 | 8.9 |
| SA | 1310 | 1.5 | SU | 1315 | 2.7 |
| SA | 1920 | 10.8 | DI | 1925 | 9.7 |
| 4 | 0145 | 1.1 | 19 | 0145 | 2.2 |
| | 0750 | 10.2 | | 0750 | 9.1 |
| SU | 1400 | 1.3 | MO | 1355 | 2.4 |
| DI | 2010 | 10.9 | LU | 2005 | 9.9 |
| 5 | 0230 | 1.0 | 20 | 0225 | 2.0 |
| | 0835 | 10.1 | | 0830 | 9.3 |
| MO | 1445 | 1.4 | TU | 1435 | 2.2 |
| LU | 2055 | 10.8 | MA | 2045 | 10.1 |
| 6 | 0320 | 1.1 | 21 | 0305 | 1.8 |
| | 0920 | 10.0 | | 0910 | 9.4 |
| TU | 1530 | 1.6 | WE | 1515 | 2.1 |
| MA | 2140 | 10.5 | ME | 2125 | 10.1 |
| 7 | 0405 | 1.4 | 22 | 0345 | 1.7 |
| | 1005 | 9.7 | | 0950 | 9.5 |
| WE | 1620 | 2.0 | TH | 1600 | 2.1 |
| ME | 2225 | 10.1 | JE | 2205 | 10.1 |
| 8 | 0450 | 1.8 | 23 | 0425 | 1.7 |
| | 1055 | 9.4 | | 1030 | 9.5 |
| TH | 1705 | 2.4 | FR | 1640 | 2.2 |
| JE | 2315 | 9.6 | VE | 2245 | 10.0 |
| 9 | 0540 | 2.3 | 24 | 0510 | 1.8 |
| | 1145 | 8.9 | | 1115 | 9.4 |
| FR | 1755 | 2.9 | SA | 1730 | 2.3 |
| VE | | | SA | 2335 | 9.7 |
| 10 | 0005 | 9.1 | 25 | 0555 | 2.0 |
| | 0630 | 2.8 | | 1205 | 9.4 |
| SA | 1235 | 8.6 | SU | 1820 | 2.5 |
| SA | 1850 | 3.3 | DI | | |
| 11 | 0055 | 8.6 | 26 | 0025 | 9.4 |
| | 0720 | 3.2 | | 0650 | 2.3 |
| SU | 1330 | 8.3 | MO | 1300 | 9.2 |
| DI | 1950 | 3.6 | LU | 1920 | 2.7 |
| 12 | 0155 | 8.2 | 27 | 0125 | 9.1 |
| | 0820 | 3.5 | | 0745 | 2.5 |
| MO | 1430 | 8.1 | TU | 1400 | 9.1 |
| LU | 2050 | 3.7 | MA | 2025 | 2.8 |
| 13 | 0255 | 8.0 | 28 | 0230 | 8.8 |
| | 0915 | 3.6 | | 0850 | 2.7 |
| TU | 1530 | 8.2 | WE | 1510 | 9.1 |
| MA | 2150 | 3.7 | ME | 2135 | 2.8 |
| 14 | 0355 | 8.0 | 29 | 0340 | 8.7 |
| | 1010 | 3.6 | | 1000 | 2.7 |
| WE | 1620 | 8.4 | TH | 1615 | 9.3 |
| ME | 2245 | 3.5 | JE | 2245 | 2.6 |
| 15 | 0450 | 8.1 | 30 | 0450 | 8.8 |
| | 1100 | 3.4 | | 1105 | 2.6 |
| TH | 1710 | 8.7 | FR | 1720 | 9.6 |
| JE | 2335 | 3.2 | VE | 2345 | 2.3 |

METRES

# FROBISHER (AST 2+4)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0555 | 9.1 | 16 | 0600 | 8.2 |
| | 1205 | 2.3 | | 1205 | 3.3 |
| SA | 1820 | 9.9 | SU | 1820 | 9.1 |
| SA | | | DI | | |
| 2 | 0045 | 1.9 | 17 | 0045 | 2.8 |
| | 0650 | 9.4 | | 0650 | 8.7 |
| SU | 1300 | 2.1 | MO | 1255 | 2.9 |
| DI | 1910 | 10.2 | LU | 1910 | 9.5 |
| 3 | 0135 | 1.6 | 18 | 0130 | 2.3 |
| | 0740 | 9.7 | | 0735 | 9.1 |
| MO | 1350 | 1.9 | TU | 1340 | 2.4 |
| LU | 2000 | 10.4 | MA | 1950 | 10.0 |
| 4 | 0220 | 1.4 | 19 | 0210 | 1.8 |
| | 0825 | 9.8 | | 0815 | 9.6 |
| TU | 1435 | 1.7 | WE | 1420 | 2.0 |
| MA | 2045 | 10.5 | ME | 2030 | 10.4 |
| 5 | 0305 | 1.3 | 20 | 0250 | 1.4 |
| | 0910 | 9.9 | | 0855 | 10.0 |
| WE | 1520 | 1.7 | TH | 1500 | 1.6 |
| ME | 2125 | 10.5 | JE | 2110 | 10.6 |
| 6 | 0350 | 1.4 | 21 | 0330 | 1.1 |
| | 0950 | 9.8 | | 0935 | 10.2 |
| TH | 1605 | 1.8 | FR | 1545 | 1.4 |
| JE | 2210 | 10.2 | VE | 2150 | 10.7 |
| 7 | 0430 | 1.6 | 22 | 0410 | 1.0 |
| | 1030 | 9.7 | | 1015 | 10.4 |
| FR | 1645 | 2.1 | SA | 1625 | 1.4 |
| VE | 2250 | 9.9 | SA | 2230 | 10.6 |
| 8 | 0510 | 2.0 | 23 | 0450 | 1.1 |
| | 1115 | 9.4 | | 1055 | 10.3 |
| SA | 1725 | 2.4 | SU | 1710 | 1.5 |
| SA | 2330 | 9.4 | DI | 2315 | 10.3 |
| 9 | 0550 | 2.4 | 24 | 0535 | 1.4 |
| | 1155 | 9.1 | | 1140 | 10.1 |
| SU | 1805 | 2.8 | MO | 1800 | 1.9 |
| DI | | | LU | | |
| 10 | 0010 | 9.0 | 25 | 0000 | 9.8 |
| | 0630 | 2.8 | | 0620 | 1.9 |
| MO | 1235 | 8.8 | TU | 1230 | 9.8 |
| LU | 1850 | 3.3 | MA | 1855 | 2.3 |
| 11 | 0055 | 8.5 | 26 | 0055 | 9.3 |
| | 0710 | 3.3 | | 0715 | 2.4 |
| TU | 1320 | 8.4 | WE | 1330 | 9.3 |
| MA | 1940 | 3.6 | ME | 1955 | 2.8 |
| 12 | 0145 | 8.0 | 27 | 0200 | 8.7 |
| | 0800 | 3.7 | | 0825 | 2.9 |
| WE | 1415 | 8.2 | TH | 1440 | 9.0 |
| ME | 2040 | 3.8 | JE | 2110 | 3.0 |
| 13 | 0240 | 7.7 | 28 | 0320 | 8.3 |
| | 0900 | 3.9 | | 0935 | 3.2 |
| TH | 1515 | 8.1 | FR | 1600 | 8.9 |
| JE | 2145 | 3.9 | VE | 2230 | 3.0 |
| 14 | 0355 | 7.7 | 29 | 0440 | 8.4 |
| | 1005 | 3.9 | | 1055 | 3.1 |
| FR | 1625 | 8.2 | SA | 1715 | 9.1 |
| VE | 2250 | 3.7 | SA | 2340 | 2.7 |
| 15 | 0500 | 7.8 | 30 | 0550 | 8.7 |
| | 1110 | 3.7 | | 1200 | 2.8 |
| SA | 1730 | 8.6 | SU | 1815 | 9.5 |
| SA | 2350 | 3.3 | DI | | |
| | | | 31 | 0040 | 2.3 |
| | | | | 0650 | 9.1 |
| | | | MO | 1255 | 2.4 |
| | | | LU | 1910 | 9.9 |

### AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0130 | 1.9 | 16 | 0105 | 2.1 |
| | 0735 | 9.5 | | 0715 | 9.4 |
| TU | 1340 | 2.0 | WE | 1320 | 2.1 |
| MA | 1950 | 10.2 | ME | 1930 | 10.2 |
| 2 | 0210 | 1.5 | 17 | 0145 | 1.4 |
| | 0815 | 9.8 | | 0755 | 10.1 |
| WE | 1425 | 1.7 | TH | 1400 | 1.5 |
| ME | 2030 | 10.4 | JE | 2010 | 10.8 |
| 3 | 0250 | 1.3 | 18 | 0225 | .9 |
| | 0855 | 10.0 | | 0830 | 10.6 |
| TH | 1505 | 1.6 | FR | 1440 | 1.0 |
| JE | 2110 | 10.5 | VE | 2045 | 11.1 |
| 4 | 0325 | 1.3 | 19 | 0305 | .5 |
| | 0930 | 10.1 | | 0910 | 11.0 |
| FR | 1540 | 1.6 | SA | 1520 | .7 |
| VE | 2145 | 10.4 | SA | 2125 | 11.2 |
| 5 | 0400 | 1.4 | 20 | 0345 | .5 |
| | 1005 | 10.1 | | 0950 | 11.1 |
| SA | 1615 | 1.7 | SU | 1605 | .7 |
| SA | 2215 | 10.1 | DI | 2205 | 11.1 |
| 6 | 0435 | 1.7 | 21 | 0425 | .6 |
| | 1035 | 9.9 | | 1030 | 11.0 |
| SU | 1650 | 2.0 | MO | 1650 | 1.0 |
| DI | 2250 | 9.8 | LU | 2250 | 10.6 |
| 7 | 0505 | 2.1 | 22 | 0510 | 1.1 |
| | 1110 | 9.6 | | 1115 | 10.6 |
| MO | 1725 | 2.4 | TU | 1735 | 1.5 |
| LU | 2325 | 9.3 | MA | 2335 | 10.0 |
| 8 | 0540 | 2.6 | 23 | 0555 | 1.8 |
| | 1145 | 9.2 | | 1205 | 10.0 |
| TU | 1800 | 2.9 | WE | 1830 | 2.2 |
| MA | | | ME | | |
| 9 | 0000 | 8.7 | 24 | 0030 | 9.2 |
| | 0615 | 3.1 | | 0650 | 2.6 |
| WE | 1220 | 8.7 | TH | 1300 | 9.3 |
| ME | 1840 | 3.4 | JE | 1935 | 2.9 |
| 10 | 0040 | 8.2 | 25 | 0140 | 8.4 |
| | 0700 | 3.6 | | 0800 | 3.3 |
| TH | 1310 | 8.3 | FR | 1420 | 8.7 |
| JE | 1935 | 3.9 | VE | 2055 | 3.4 |
| 11 | 0135 | 7.6 | 26 | 0310 | 8.0 |
| | 0755 | 4.1 | | 0925 | 3.6 |
| FR | 1415 | 7.9 | SA | 1550 | 8.5 |
| VE | 2050 | 4.2 | SA | 2220 | 3.4 |
| 12 | 0300 | 7.3 | 27 | 0445 | 8.0 |
| | 0915 | 4.3 | | 1050 | 3.5 |
| SA | 1545 | 7.9 | SU | 1715 | 8.8 |
| SA | 2215 | 4.1 | DI | 2335 | 3.0 |
| 13 | 0435 | 7.5 | 28 | 0550 | 8.5 |
| | 1035 | 4.1 | | 1155 | 3.1 |
| SU | 1705 | 8.3 | MO | 1815 | 9.3 |
| DI | 2330 | 3.6 | LU | | |
| 14 | 0540 | 8.0 | 29 | 0030 | 2.5 |
| | 1145 | 3.5 | | 0640 | 9.1 |
| MO | 1800 | 8.9 | TU | 1250 | 2.5 |
| LU | | | MA | 1900 | 9.7 |
| 15 | 0025 | 2.9 | 30 | 0115 | 2.0 |
| | 0630 | 8.7 | | 0720 | 9.5 |
| TU | 1235 | 2.8 | WE | 1330 | 2.0 |
| MA | 1850 | 9.6 | ME | 1935 | 10.1 |
| | | | 31 | 0155 | 1.6 |
| | | | | 0755 | 9.9 |
| | | | TH | 1405 | 1.7 |
| | | | JE | 2010 | 10.4 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0230 | 1.3 | 16 | 0200 | .6 |
| | 0830 | 10.2 | | 0805 | 11.2 |
| FR | 1440 | 1.4 | SA | 1420 | .5 |
| VE | 2045 | 10.5 | SA | 2020 | 11.4 |
| 2 | 0300 | 1.3 | 17 | 0235 | .3 |
| | 0900 | 10.4 | | 0845 | 11.6 |
| SA | 1510 | 1.4 | SU | 1500 | .2 |
| SA | 2115 | 10.4 | DI | 2100 | 11.4 |
| 3 | 0330 | 1.4 | 18 | 0320 | .2 |
| | 0930 | 10.4 | | 0925 | 11.6 |
| SU | 1545 | 1.5 | MO | 1540 | .3 |
| DI | 2145 | 10.2 | LU | 2145 | 11.2 |
| 4 | 0355 | 1.6 | 19 | 0400 | .5 |
| | 1000 | 10.2 | | 1005 | 11.3 |
| MO | 1615 | 1.8 | TU | 1625 | .8 |
| LU | 2215 | 9.9 | MA | 2230 | 10.7 |
| 5 | 0425 | 2.0 | 20 | 0445 | 1.2 |
| | 1030 | 9.9 | | 1050 | 10.8 |
| TU | 1645 | 2.2 | WE | 1715 | 1.4 |
| MA | 2245 | 9.4 | ME | 2315 | 9.9 |
| 6 | 0455 | 2.5 | 21 | 0535 | 2.0 |
| | 1100 | 9.5 | | 1140 | 10.0 |
| WE | 1715 | 2.7 | TH | 1810 | 2.3 |
| ME | 2315 | 8.8 | JE | | |
| 7 | 0530 | 3.0 | 22 | 0010 | 9.0 |
| | 1135 | 9.0 | | 0630 | 2.9 |
| TH | 1755 | 3.3 | FR | 1240 | 9.1 |
| JE | 2355 | 8.2 | VE | 1915 | 3.1 |
| 8 | 0610 | 3.6 | 23 | 0125 | 8.2 |
| | 1220 | 8.4 | | 0745 | 3.6 |
| FR | 1845 | 3.9 | SA | 1405 | 8.4 |
| VE | | | SA | 2040 | 3.6 |
| 9 | 0045 | 7.6 | 24 | 0305 | 7.8 |
| | 0705 | 4.2 | | 0915 | 3.9 |
| SA | 1325 | 7.9 | SU | 1545 | 8.3 |
| SA | 2005 | 4.3 | DI | 2210 | 3.5 |
| 10 | 0215 | 7.2 | 25 | 0435 | 8.0 |
| | 0830 | 4.5 | | 1040 | 3.7 |
| SU | 1505 | 7.7 | MO | 1700 | 8.6 |
| DI | 2140 | 4.2 | LU | 2320 | 3.1 |
| 11 | 0405 | 7.3 | 26 | 0540 | 8.6 |
| | 1010 | 4.2 | | 1145 | 3.1 |
| MO | 1635 | 8.1 | TU | 1755 | 9.1 |
| LU | 2300 | 3.6 | MA | | |
| 12 | 0515 | 8.0 | 27 | 0015 | 2.6 |
| | 1120 | 3.5 | | 0625 | 9.1 |
| TU | 1735 | 8.9 | WE | 1230 | 2.6 |
| MA | 2355 | 2.8 | ME | 1840 | 9.5 |
| 13 | 0605 | 8.9 | 28 | 0055 | 2.1 |
| | 1210 | 2.7 | | 0700 | 9.6 |
| WE | 1820 | 9.7 | TH | 1310 | 2.1 |
| ME | | | JE | 1915 | 9.9 |
| 14 | 0040 | 2.0 | 29 | 0130 | 1.8 |
| | 0645 | 9.8 | | 0730 | 10.0 |
| TH | 1255 | 1.8 | FR | 1340 | 1.7 |
| JE | 1905 | 10.4 | VE | 1945 | 10.1 |
| 15 | 0120 | 1.2 | 30 | 0200 | 1.6 |
| | 0725 | 10.5 | | 0800 | 10.3 |
| FR | 1335 | 1.1 | SA | 1415 | 1.5 |
| VE | 1940 | 11.0 | SA | 2015 | 10.3 |

METRES

## TABLE DES MARÉES

# FROBISHER (HNA 2+4)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0225 | 1.5 | 16 | 0210 | .4 |
| | 0825 | 10.5 | | 0820 | 11.7 |
| SU | 1440 | 1.4 | MO | 1435 | .2 |
| DI | 2040 | 10.2 | LU | 2040 | 11.3 |
| 2 | 0255 | 1.6 | 17 | 0255 | .4 |
| | 0855 | 10.5 | | 0900 | 11.7 |
| MO | 1510 | 1.5 | TU | 1520 | .4 |
| LU | 2110 | 10.1 | MA | 2125 | 11.0 |
| 3 | 0320 | 1.7 | 18 | 0340 | .8 |
| | 0925 | 10.3 | | 0945 | 11.3 |
| TU | 1540 | 1.7 | WE | 1610 | .8 |
| MA | 2140 | 9.8 | ME | 2210 | 10.5 |
| 4 | 0350 | 2.1 | 19 | 0425 | 1.4 |
| | 0955 | 10.0 | | 1030 | 10.7 |
| WE | 1610 | 2.1 | TH | 1655 | 1.5 |
| ME | 2210 | 9.4 | JE | 2300 | 9.7 |
| 5 | 0420 | 2.5 | 20 | 0515 | 2.2 |
| | 1025 | 9.6 | | 1120 | 9.9 |
| TH | 1645 | 2.6 | FR | 1750 | 2.3 |
| JE | 2245 | 8.8 | VE | 2355 | 8.9 |
| 6 | 0455 | 3.1 | 21 | 0615 | 3.0 |
| | 1100 | 9.1 | | 1225 | 9.1 |
| FR | 1725 | 3.2 | SA | 1900 | 3.1 |
| VE | 2325 | 8.2 | SA | | |
| 7 | 0535 | 3.6 | 22 | 0110 | 8.2 |
| | 1145 | 8.5 | | 0725 | 3.7 |
| SA | 1815 | 3.7 | SU | 1345 | 8.4 |
| SA | | | DI | 2020 | 3.5 |
| 8 | 0020 | 7.7 | 23 | 0240 | 7.9 |
| | 0635 | 4.1 | | 0855 | 3.9 |
| SU | 1250 | 8.0 | MO | 1515 | 8.2 |
| DI | 1930 | 4.1 | LU | 2140 | 3.5 |
| 9 | 0140 | 7.3 | 24 | 0405 | 8.1 |
| | 0800 | 4.4 | | 1015 | 3.7 |
| MO | 1425 | 7.8 | TU | 1630 | 8.4 |
| LU | 2100 | 4.1 | MA | 2250 | 3.2 |
| 10 | 0325 | 7.5 | 25 | 0505 | 8.5 |
| | 0930 | 4.1 | | 1115 | 3.3 |
| TU | 1555 | 8.1 | WE | 1725 | 8.8 |
| MA | 2215 | 3.5 | ME | 2340 | 2.9 |
| 11 | 0435 | 8.2 | 26 | 0550 | 9.0 |
| | 1045 | 3.4 | | 1200 | 2.8 |
| WE | 1655 | 8.8 | TH | 1810 | 9.1 |
| ME | 2315 | 2.7 | JE | | |
| 12 | 0530 | 9.1 | 27 | 0020 | 2.5 |
| | 1140 | 2.6 | | 0625 | 9.4 |
| TH | 1750 | 9.6 | FR | 1240 | 2.3 |
| JE | | | VE | 1840 | 9.4 |
| 13 | 0005 | 1.9 | 28 | 0055 | 2.2 |
| | 0615 | 10.0 | | 0655 | 9.8 |
| FR | 1225 | 1.7 | SA | 1315 | 2.0 |
| VE | 1830 | 10.4 | SA | 1915 | 9.7 |
| 14 | 0045 | 1.2 | 29 | 0125 | 2.0 |
| | 0655 | 10.8 | | 0725 | 10.1 |
| SA | 1310 | .9 | SU | 1345 | 1.8 |
| SA | 1915 | 10.9 | DI | 1945 | 9.8 |
| 15 | 0130 | .7 | 30 | 0155 | 1.9 |
| | 0735 | 11.4 | | 0755 | 10.3 |
| SU | 1355 | .4 | MO | 1415 | 1.7 |
| DI | 1955 | 11.2 | LU | 2015 | 9.9 |
| | | | 31 | 0225 | 1.9 |
| | | | | 0825 | 10.4 |
| | | | TU | 1445 | 1.7 |
| | | | MA | 2045 | 9.8 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0255 | 2.0 | 16 | 0325 | 1.1 |
| | 0855 | 10.3 | | 0930 | 11.2 |
| WE | 1515 | 1.9 | TH | 1555 | 1.0 |
| ME | 2115 | 9.6 | JE | 2155 | 10.3 |
| 2 | 0325 | 2.3 | 17 | 0410 | 1.6 |
| | 0930 | 10.0 | | 1020 | 10.6 |
| TH | 1550 | 2.2 | FR | 1645 | 1.5 |
| JE | 2150 | 9.3 | VE | 2245 | 9.7 |
| 3 | 0400 | 2.6 | 18 | 0500 | 2.2 |
| | 1005 | 9.7 | | 1110 | 10.0 |
| FR | 1630 | 2.6 | SA | 1735 | 2.2 |
| VE | 2225 | 8.9 | SA | 2340 | 9.1 |
| 4 | 0435 | 3.0 | 19 | 0555 | 2.9 |
| | 1045 | 9.2 | | 1205 | 9.3 |
| SA | 1710 | 3.0 | SU | 1835 | 2.8 |
| SA | 2310 | 8.4 | DI | | |
| 5 | 0520 | 3.5 | 20 | 0045 | 8.6 |
| | 1130 | 8.8 | | 0700 | 3.4 |
| SU | 1800 | 3.4 | MO | 1310 | 8.7 |
| DI | | | LU | 1940 | 3.3 |
| 6 | 0005 | 8.0 | 21 | 0155 | 8.2 |
| | 0620 | 3.8 | | 0815 | 3.8 |
| MO | 1230 | 8.4 | TU | 1425 | 8.3 |
| LU | 1900 | 3.6 | MA | 2050 | 3.5 |
| 7 | 0115 | 7.9 | 22 | 0310 | 8.2 |
| | 0730 | 4.0 | | 0925 | 3.8 |
| TU | 1345 | 8.2 | WE | 1540 | 8.2 |
| MA | 2015 | 3.6 | ME | 2200 | 3.5 |
| 8 | 0235 | 8.0 | 23 | 0415 | 8.4 |
| | 0850 | 3.8 | | 1030 | 3.6 |
| WE | 1505 | 8.4 | TH | 1640 | 8.4 |
| ME | 2130 | 3.3 | JE | 2255 | 3.4 |
| 9 | 0350 | 8.5 | 24 | 0505 | 8.7 |
| | 1005 | 3.3 | | 1120 | 3.2 |
| TH | 1615 | 8.8 | FR | 1725 | 8.6 |
| JE | 2230 | 2.7 | VE | 2340 | 3.1 |
| 10 | 0450 | 9.3 | 25 | 0545 | 9.1 |
| | 1105 | 2.6 | | 1205 | 2.9 |
| FR | 1710 | 9.4 | SA | 1805 | 8.8 |
| VE | 2325 | 2.1 | SA | | |
| 11 | 0540 | 10.1 | 26 | 0015 | 2.9 |
| | 1200 | 1.8 | | 0620 | 9.4 |
| SA | 1805 | 10.0 | SU | 1240 | 2.6 |
| SA | | | DI | 1845 | 9.1 |
| 12 | 0015 | 1.5 | 27 | 0050 | 2.6 |
| | 0625 | 10.8 | | 0655 | 9.8 |
| SU | 1245 | 1.2 | MO | 1315 | 2.3 |
| DI | 1850 | 10.5 | LU | 1920 | 9.3 |
| 13 | 0105 | 1.1 | 28 | 0125 | 2.4 |
| | 0715 | 11.2 | | 0730 | 10.0 |
| MO | 1335 | .7 | TU | 1350 | 2.1 |
| LU | 1940 | 10.8 | MA | 1950 | 9.5 |
| 14 | 0150 | .9 | 29 | 0200 | 2.3 |
| | 0800 | 11.5 | | 0805 | 10.1 |
| TU | 1420 | .5 | WE | 1425 | 2.0 |
| MA | 2025 | 10.9 | ME | 2030 | 9.5 |
| 15 | 0235 | .9 | 30 | 0235 | 2.3 |
| | 0845 | 11.5 | | 0840 | 10.2 |
| WE | 1505 | .6 | TH | 1500 | 2.0 |
| ME | 2110 | 10.7 | JE | 2105 | 9.5 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0310 | 2.4 | 16 | 0400 | 1.6 |
| | 0920 | 10.1 | | 1005 | 10.7 |
| FR | 1540 | 2.0 | SA | 1630 | 1.4 |
| VE | 2140 | 9.4 | SA | 2235 | 9.9 |
| 2 | 0350 | 2.5 | 17 | 0445 | 2.0 |
| | 0955 | 9.9 | | 1050 | 10.2 |
| SA | 1620 | 2.3 | SU | 1715 | 1.9 |
| SA | 2220 | 9.1 | DI | 2320 | 9.5 |
| 3 | 0430 | 2.7 | 18 | 0535 | 2.5 |
| | 1035 | 9.6 | | 1140 | 9.7 |
| SU | 1700 | 2.5 | MO | 1805 | 2.4 |
| DI | 2300 | 8.9 | LU | | |
| 4 | 0515 | 3.0 | 19 | 0010 | 9.1 |
| | 1120 | 9.3 | | 0625 | 3.0 |
| MO | 1745 | 2.7 | TU | 1230 | 9.1 |
| LU | 2350 | 8.7 | MA | 1855 | 2.9 |
| 5 | 0605 | 3.2 | 20 | 0105 | 8.7 |
| | 1210 | 9.0 | | 0720 | 3.4 |
| TU | 1835 | 2.9 | WE | 1325 | 8.5 |
| MA | | | ME | 1950 | 3.4 |
| 6 | 0045 | 8.6 | 21 | 0200 | 8.4 |
| | 0700 | 3.4 | | 0825 | 3.8 |
| WE | 1310 | 8.7 | TH | 1425 | 8.1 |
| ME | 1935 | 3.1 | JE | 2050 | 3.7 |
| 7 | 0150 | 8.7 | 22 | 0305 | 8.2 |
| | 0810 | 3.4 | | 0930 | 3.9 |
| TH | 1420 | 8.6 | FR | 1530 | 7.9 |
| JE | 2040 | 3.1 | VE | 2150 | 3.8 |
| 8 | 0300 | 8.9 | 23 | 0405 | 8.3 |
| | 0925 | 3.2 | | 1030 | 3.8 |
| FR | 1530 | 8.7 | SA | 1635 | 8.0 |
| VE | 2150 | 2.9 | SA | 2245 | 3.8 |
| 9 | 0410 | 9.3 | 24 | 0500 | 8.5 |
| | 1030 | 2.7 | | 1125 | 3.5 |
| SA | 1640 | 9.1 | SU | 1730 | 8.2 |
| SA | 2255 | 2.5 | DI | 2340 | 3.5 |
| 10 | 0510 | 9.8 | 25 | 0550 | 8.9 |
| | 1135 | 2.2 | | 1210 | 3.1 |
| SU | 1740 | 9.5 | MO | 1815 | 8.5 |
| DI | 2355 | 2.1 | LU | | |
| 11 | 0605 | 10.3 | 26 | 0025 | 3.2 |
| | 1230 | 1.6 | | 0635 | 9.3 |
| MO | 1835 | 9.9 | TU | 1255 | 2.7 |
| LU | | | MA | 1900 | 8.8 |
| 12 | 0045 | 1.7 | 27 | 0105 | 2.9 |
| | 0700 | 10.8 | | 0715 | 9.7 |
| TU | 1320 | 1.2 | WE | 1335 | 2.4 |
| MA | 1925 | 10.2 | ME | 1940 | 9.2 |
| 13 | 0135 | 1.4 | 28 | 0145 | 2.6 |
| | 0745 | 11.1 | | 0755 | 10.0 |
| WE | 1410 | 1.0 | TH | 1415 | 2.0 |
| ME | 2015 | 10.4 | JE | 2020 | 9.4 |
| 14 | 0225 | 1.3 | 29 | 0225 | 2.3 |
| | 0835 | 11.2 | | 0830 | 10.2 |
| TH | 1455 | .9 | FR | 1450 | 1.8 |
| JE | 2100 | 10.4 | VE | 2055 | 9.7 |
| 15 | 0310 | 1.4 | 30 | 0300 | 2.1 |
| | 0920 | 11.0 | | 0910 | 10.3 |
| FR | 1545 | 1.1 | SA | 1530 | 1.7 |
| VE | 2145 | 10.3 | SA | 2130 | 9.8 |
| | | | 31 | 0340 | 2.0 |
| | | | | 0945 | 10.3 |
| | | | SU | 1605 | 1.6 |
| | | | DI | 2210 | 9.8 |

METRES

# DIANA BAY (EST 4+5)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0145 | 7.3 | 16 | 0220 | 8.0 |
| | 0800 | 3.6 | | 0840 | 2.8 |
| SU | 1410 | 7.0 | MO | 1455 | 7.5 |
| DI | 2025 | 3.5 | LU | 2110 | 3.0 |
| 2 | 0245 | 7.2 | 17 | 0330 | 7.7 |
| | 0905 | 3.7 | | 0955 | 2.9 |
| MO | 1515 | 6.9 | TU | 1615 | 7.3 |
| LU | 2130 | 3.7 | MA | 2225 | 3.2 |
| 3 | 0350 | 7.2 | 18 | 0445 | 7.8 |
| | 1015 | 3.5 | | 1110 | 2.8 |
| TU | 1625 | 6.9 | WE | 1730 | 7.4 |
| MA | 2235 | 3.6 | ME | 2335 | 3.0 |
| 4 | 0450 | 7.4 | 19 | 0555 | 8.0 |
| | 1115 | 3.3 | | 1215 | 2.5 |
| WE | 1725 | 7.2 | TH | 1835 | 7.7 |
| ME | 2335 | 3.3 | JE | | |
| 5 | 0550 | 7.8 | 20 | 0035 | 2.7 |
| | 1210 | 2.9 | | 0650 | 8.3 |
| TH | 1820 | 7.6 | FR | 1310 | 2.2 |
| JE | | | VE | 1925 | 8.0 |
| 6 | 0025 | 3.0 | 21 | 0125 | 2.5 |
| | 0640 | 8.2 | | 0740 | 8.6 |
| FR | 1300 | 2.4 | SA | 1355 | 1.9 |
| VE | 1910 | 8.0 | SA | 2010 | 8.3 |
| 7 | 0110 | 2.6 | 22 | 0210 | 2.2 |
| | 0725 | 8.6 | | 0820 | 8.8 |
| SA | 1345 | 2.0 | SU | 1435 | 1.7 |
| SA | 1955 | 8.4 | DI | 2045 | 8.5 |
| 8 | 0155 | 2.2 | 23 | 0245 | 2.1 |
| | 0810 | 9.0 | | 0900 | 9.0 |
| SU | 1425 | 1.6 | MO | 1510 | 1.6 |
| DI | 2040 | 8.7 | LU | 2120 | 8.7 |
| 9 | 0240 | 1.9 | 24 | 0325 | 2.0 |
| | 0850 | 9.3 | | 0935 | 9.0 |
| MO | 1510 | 1.2 | TU | 1545 | 1.6 |
| LU | 2120 | 9.0 | MA | 2155 | 8.7 |
| 10 | 0325 | 1.6 | 25 | 0400 | 2.0 |
| | 0935 | 9.5 | | 1005 | 8.9 |
| TU | 1550 | 1.1 | WE | 1615 | 1.6 |
| MA | 2205 | 9.2 | ME | 2225 | 8.7 |
| 11 | 0405 | 1.5 | 26 | 0430 | 2.1 |
| | 1015 | 9.5 | | 1040 | 8.8 |
| WE | 1635 | 1.1 | TH | 1650 | 1.9 |
| ME | 2245 | 9.2 | JE | 2300 | 8.6 |
| 12 | 0450 | 1.6 | 27 | 0505 | 2.2 |
| | 1100 | 9.3 | | 1110 | 8.5 |
| TH | 1720 | 1.3 | FR | 1720 | 2.1 |
| JE | 2330 | 9.1 | VE | 2330 | 8.4 |
| 13 | 0540 | 1.7 | 28 | 0540 | 2.5 |
| | 1150 | 8.9 | | 1145 | 8.1 |
| FR | 1805 | 1.6 | SA | 1755 | 2.5 |
| VE | | | SA | | |
| 14 | 0020 | 8.8 | 29 | 0005 | 8.1 |
| | 0630 | 2.1 | | 0615 | 2.8 |
| SA | 1240 | 8.4 | SU | 1220 | 7.7 |
| SA | 1855 | 2.1 | DI | 1830 | 2.9 |
| 15 | 0115 | 8.4 | 30 | 0040 | 7.7 |
| | 0730 | 2.5 | | 0655 | 3.2 |
| SU | 1340 | 7.9 | MO | 1305 | 7.3 |
| DI | 1955 | 2.7 | LU | 1915 | 3.4 |
| | | | 31 | 0130 | 7.4 |
| | | | | 0750 | 3.6 |
| | | | TU | 1400 | 6.9 |
| | | | MA | 2015 | 3.7 |

### FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0235 | 7.1 | 16 | 0430 | 7.3 |
| | 0905 | 3.8 | | 1055 | 3.3 |
| WE | 1520 | 6.6 | TH | 1725 | 7.0 |
| ME | 2130 | 3.9 | JE | 2325 | 3.5 |
| 2 | 0400 | 7.1 | 17 | 0550 | 7.6 |
| | 1030 | 3.7 | | 1210 | 2.9 |
| TH | 1645 | 6.8 | FR | 1830 | 7.4 |
| JE | 2255 | 3.7 | VE | | |
| 3 | 0515 | 7.4 | 18 | 0030 | 3.1 |
| | 1145 | 3.2 | | 0645 | 8.0 |
| FR | 1800 | 7.2 | SA | 1300 | 2.5 |
| VE | | | SA | 1920 | 7.8 |
| 4 | 0000 | 3.2 | 19 | 0115 | 2.7 |
| | 0620 | 8.0 | | 0730 | 8.4 |
| SA | 1240 | 2.6 | SU | 1340 | 2.1 |
| SA | 1855 | 7.8 | DI | 1955 | 8.3 |
| 5 | 0055 | 2.7 | 20 | 0155 | 2.3 |
| | 0710 | 8.6 | | 0805 | 8.7 |
| SU | 1330 | 1.9 | MO | 1415 | 1.8 |
| DI | 1940 | 8.5 | LU | 2030 | 8.6 |
| 6 | 0145 | 2.0 | 21 | 0230 | 2.0 |
| | 0755 | 9.2 | | 0840 | 8.9 |
| MO | 1410 | 1.3 | TU | 1450 | 1.6 |
| LU | 2025 | 9.1 | MA | 2100 | 8.8 |
| 7 | 0225 | 1.5 | 22 | 0300 | 1.8 |
| | 0840 | 9.6 | | 0910 | 9.1 |
| TU | 1455 | .9 | WE | 1520 | 1.5 |
| MA | 2105 | 9.5 | ME | 2130 | 9.0 |
| 8 | 0310 | 1.1 | 23 | 0335 | 1.7 |
| | 0920 | 9.9 | | 0940 | 9.1 |
| WE | 1535 | .6 | TH | 1550 | 1.5 |
| ME | 2145 | 9.8 | JE | 2155 | 9.1 |
| 9 | 0350 | .9 | 24 | 0405 | 1.7 |
| | 1000 | 10.0 | | 1010 | 9.0 |
| TH | 1615 | .6 | FR | 1615 | 1.7 |
| JE | 2225 | 9.9 | VE | 2225 | 9.0 |
| 10 | 0435 | .9 | 25 | 0435 | 1.9 |
| | 1045 | 9.8 | | 1040 | 8.7 |
| FR | 1655 | .9 | SA | 1645 | 2.0 |
| VE | 2310 | 9.7 | SA | 2255 | 8.7 |
| 11 | 0520 | 1.1 | 26 | 0505 | 2.1 |
| | 1130 | 9.3 | | 1110 | 8.4 |
| SA | 1740 | 1.3 | SU | 1715 | 2.3 |
| SA | 2355 | 9.2 | DI | 2325 | 8.4 |
| 12 | 0605 | 1.6 | 27 | 0535 | 2.5 |
| | 1215 | 8.7 | | 1140 | 8.0 |
| SU | 1825 | 2.0 | MO | 1750 | 2.7 |
| DI | | | LU | 2355 | 8.0 |
| 13 | 0040 | 8.6 | 28 | 0610 | 2.9 |
| | 0700 | 2.3 | | 1215 | 7.5 |
| MO | 1310 | 8.0 | TU | 1825 | 3.2 |
| LU | 1925 | 2.7 | MA | | |
| 14 | 0140 | 7.9 | | | |
| | 0805 | 2.9 | | | |
| TU | 1420 | 7.3 | | | |
| MA | 2035 | 3.4 | | | |
| 15 | 0300 | 7.4 | | | |
| | 0925 | 3.3 | | | |
| WE | 1550 | 6.9 | | | |
| ME | 2205 | 3.6 | | | |

### MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0040 | 7.6 | 16 | 0235 | 7.2 |
| | 0700 | 3.4 | | 0905 | 3.5 |
| WE | 1305 | 6.9 | TH | 1535 | 6.7 |
| ME | 1920 | 3.7 | JE | 2145 | 3.9 |
| 2 | 0140 | 7.1 | 17 | 0415 | 7.0 |
| | 0815 | 3.8 | | 1040 | 3.5 |
| TH | 1425 | 6.6 | FR | 1710 | 6.9 |
| JE | 2040 | 4.0 | VE | 2315 | 3.7 |
| 3 | 0310 | 6.9 | 18 | 0535 | 7.3 |
| | 0955 | 3.8 | | 1150 | 3.1 |
| FR | 1615 | 6.6 | SA | 1815 | 7.3 |
| VE | 2225 | 3.9 | SA | | |
| 4 | 0450 | 7.3 | 19 | 0015 | 3.2 |
| | 1120 | 3.3 | | 0630 | 7.8 |
| SA | 1735 | 7.2 | SU | 1240 | 2.7 |
| SA | 2340 | 3.3 | DI | 1900 | 7.8 |
| 5 | 0600 | 7.9 | 20 | 0100 | 2.7 |
| | 1220 | 2.6 | | 0710 | 8.2 |
| SU | 1835 | 8.0 | MO | 1315 | 2.3 |
| DI | | | LU | 1930 | 8.3 |
| 6 | 0035 | 2.5 | 21 | 0135 | 2.3 |
| | 0650 | 8.6 | | 0745 | 8.5 |
| MO | 1305 | 1.8 | TU | 1350 | 1.9 |
| LU | 1920 | 8.7 | MA | 2000 | 8.7 |
| 7 | 0125 | 1.7 | 22 | 0205 | 2.0 |
| | 0735 | 9.3 | | 0815 | 8.8 |
| TU | 1350 | 1.1 | WE | 1420 | 1.7 |
| MA | 2000 | 9.4 | ME | 2030 | 8.9 |
| 8 | 0210 | 1.1 | 23 | 0235 | 1.7 |
| | 0820 | 9.8 | | 0845 | 9.0 |
| WE | 1430 | .6 | TH | 1450 | 1.6 |
| ME | 2045 | 10.0 | JE | 2055 | 9.1 |
| 9 | 0250 | .6 | 24 | 0305 | 1.6 |
| | 0900 | 10.1 | | 0910 | 9.0 |
| TH | 1510 | .4 | FR | 1515 | 1.6 |
| JE | 2125 | 10.2 | VE | 2125 | 9.1 |
| 10 | 0330 | .4 | 25 | 0335 | 1.6 |
| | 0940 | 10.1 | | 0940 | 9.0 |
| FR | 1550 | .4 | SA | 1545 | 1.7 |
| VE | 2205 | 10.2 | SA | 2150 | 9.1 |
| 11 | 0415 | .5 | 26 | 0405 | 1.7 |
| | 1025 | 9.9 | | 1010 | 8.7 |
| SA | 1635 | .8 | SU | 1615 | 2.0 |
| SA | 2245 | 9.9 | DI | 2220 | 8.9 |
| 12 | 0455 | .9 | 27 | 0435 | 2.0 |
| | 1105 | 9.4 | | 1040 | 8.4 |
| SU | 1715 | 1.3 | MO | 1645 | 2.3 |
| DI | 2325 | 9.3 | LU | 2250 | 8.5 |
| 13 | 0540 | 1.5 | 28 | 0505 | 2.3 |
| | 1150 | 8.7 | | 1110 | 8.0 |
| MO | 1800 | 2.1 | TU | 1720 | 2.7 |
| LU | | | MA | 2325 | 8.1 |
| 14 | 0015 | 8.6 | 29 | 0545 | 2.8 |
| | 0635 | 2.3 | | 1150 | 7.6 |
| TU | 1245 | 7.8 | WE | 1755 | 3.2 |
| MA | 1855 | 2.9 | ME | | |
| 15 | 0115 | 7.8 | 30 | 0005 | 7.7 |
| | 0735 | 3.0 | | 0635 | 3.3 |
| WE | 1355 | 7.1 | TH | 1240 | 7.0 |
| ME | 2010 | 3.6 | JE | 1850 | 3.7 |
| | | | 31 | 0105 | 7.2 |
| | | | | 0745 | 3.7 |
| | | | FR | 1400 | 6.7 |
| | | | VE | 2015 | 4.0 |

METRES

## TABLE DES MARÉES

# DIANA BAY (INE 2+3)

1989

### APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0240 | 7.0 | 16 | 0500 | 7.2 |
| | 0920 | 3.7 | | 1115 | 3.2 |
| SA | 1545 | 6.8 | SU | 1735 | 7.3 |
| SA | 2155 | 3.8 | DI | 2340 | 3.3 |
| 2 | 0420 | 7.3 | 17 | 0555 | 7.6 |
| | 1045 | 3.2 | | 1205 | 2.8 |
| SU | 1710 | 7.4 | MO | 1820 | 7.8 |
| DI | 2315 | 3.1 | LU | | |
| 3 | 0530 | 7.9 | 18 | 0025 | 2.8 |
| | 1150 | 2.4 | | 0635 | 7.9 |
| MO | 1805 | 8.2 | TU | 1240 | 2.5 |
| LU | | | MA | 1855 | 8.2 |
| 4 | 0010 | 2.3 | 19 | 0100 | 2.4 |
| | 0625 | 8.6 | | 0710 | 8.3 |
| TU | 1235 | 1.7 | WE | 1315 | 2.2 |
| MA | 1850 | 9.0 | ME | 1925 | 8.6 |
| 5 | 0100 | 1.5 | 20 | 0135 | 2.1 |
| | 0710 | 9.3 | | 0740 | 8.5 |
| WE | 1320 | 1.1 | TH | 1345 | 2.0 |
| ME | 1935 | 9.7 | JE | 1955 | 8.8 |
| 6 | 0145 | .9 | 21 | 0205 | 1.6 |
| | 0755 | 9.8 | | 0810 | 8.7 |
| TH | 1405 | .7 | FR | 1415 | 1.9 |
| JE | 2015 | 10.1 | VE | 2025 | 9.0 |
| 7 | 0225 | .4 | 22 | 0235 | 1.7 |
| | 0840 | 10.0 | | 0840 | 8.8 |
| FR | 1445 | .5 | SA | 1445 | 1.9 |
| VE | 2100 | 10.3 | SA | 2055 | 9.1 |
| 8 | 0310 | .3 | 23 | 0305 | 1.7 |
| | 0920 | 10.0 | | 0915 | 8.7 |
| SA | 1530 | .6 | SU | 1515 | 2.0 |
| SA | 2140 | 10.1 | DI | 2125 | 9.0 |
| 9 | 0355 | .5 | 24 | 0340 | 1.8 |
| | 1005 | 9.7 | | 0945 | 8.6 |
| SU | 1610 | 1.0 | MO | 1550 | 2.1 |
| DI | 2220 | 9.8 | LU | 2155 | 8.8 |
| 10 | 0435 | .9 | 25 | 0410 | 2.0 |
| | 1045 | 9.2 | | 1015 | 8.3 |
| MO | 1655 | 1.6 | TU | 1620 | 2.4 |
| LU | 2305 | 9.2 | MA | 2230 | 8.6 |
| 11 | 0525 | 1.6 | 26 | 0450 | 2.3 |
| | 1135 | 8.5 | | 1055 | 8.0 |
| TU | 1740 | 2.3 | WE | 1700 | 2.7 |
| MA | 2355 | 8.4 | ME | 2305 | 8.2 |
| 12 | 0615 | 2.3 | 27 | 0530 | 2.7 |
| | 1225 | 7.7 | | 1135 | 7.6 |
| WE | 1835 | 3.0 | TH | 1745 | 3.1 |
| ME | | | JE | 2355 | 7.8 |
| 13 | 0050 | 7.7 | 28 | 0620 | 3.0 |
| | 0715 | 3.0 | | 1235 | 7.2 |
| TH | 1335 | 7.1 | FR | 1840 | 3.5 |
| JE | 1945 | 3.7 | VE | | |
| 14 | 0210 | 7.1 | 29 | 0055 | 7.4 |
| | 0840 | 3.5 | | 0730 | 3.3 |
| FR | 1510 | 6.8 | SA | 1350 | 7.0 |
| VE | 2120 | 3.9 | SA | 2000 | 3.7 |
| 15 | 0340 | 7.0 | 30 | 0220 | 7.3 |
| | 1005 | 3.5 | | 0850 | 3.3 |
| SA | 1635 | 6.9 | SU | 1520 | 7.2 |
| SA | 2245 | 3.7 | DI | 2130 | 3.4 |

### MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0345 | 7.5 | 16 | 0500 | 7.3 |
| | 1010 | 2.9 | | 1110 | 3.1 |
| MO | 1630 | 7.7 | TU | 1730 | 7.7 |
| LU | 2240 | 2.9 | MA | 2340 | 3.0 |
| 2 | 0455 | 8.0 | 17 | 0550 | 7.6 |
| | 1110 | 2.4 | | 1155 | 2.9 |
| TU | 1730 | 8.4 | WE | 1810 | 8.0 |
| MA | 2340 | 2.2 | ME | | |
| 3 | 0555 | 8.5 | 18 | 0020 | 2.7 |
| | 1205 | 1.8 | | 0630 | 7.9 |
| WE | 1820 | 9.1 | TH | 1235 | 2.6 |
| ME | | | JE | 1845 | 8.3 |
| 4 | 0035 | 1.5 | 19 | 0055 | 2.3 |
| | 0645 | 9.1 | | 0705 | 8.1 |
| TH | 1255 | 1.3 | FR | 1310 | 2.4 |
| JE | 1905 | 9.6 | VE | 1920 | 8.6 |
| 5 | 0120 | .9 | 20 | 0130 | 2.1 |
| | 0730 | 9.4 | | 0740 | 8.3 |
| FR | 1340 | 1.0 | SA | 1345 | 2.3 |
| VE | 1950 | 9.9 | SA | 1955 | 8.7 |
| 6 | 0205 | .6 | 21 | 0205 | 1.9 |
| | 0815 | 9.6 | | 0815 | 8.4 |
| SA | 1425 | .9 | SU | 1420 | 2.2 |
| SA | 2035 | 10.0 | DI | 2025 | 8.8 |
| 7 | 0250 | .6 | 22 | 0245 | 1.9 |
| | 0900 | 9.6 | | 0850 | 8.5 |
| SU | 1510 | 1.1 | MO | 1455 | 2.2 |
| DI | 2120 | 9.8 | LU | 2100 | 8.9 |
| 8 | 0335 | .8 | 23 | 0320 | 1.9 |
| | 0945 | 9.3 | | 0925 | 8.4 |
| MO | 1555 | 1.4 | TU | 1530 | 2.3 |
| LU | 2205 | 9.5 | MA | 2140 | 8.8 |
| 9 | 0420 | 1.2 | 24 | 0400 | 2.0 |
| | 1030 | 8.9 | | 1005 | 8.3 |
| TU | 1640 | 1.9 | WE | 1610 | 2.4 |
| MA | 2250 | 9.0 | ME | 2220 | 8.6 |
| 10 | 0505 | 1.7 | 25 | 0440 | 2.1 |
| | 1120 | 8.4 | | 1045 | 8.1 |
| WE | 1725 | 2.4 | TH | 1650 | 2.6 |
| ME | 2340 | 8.4 | JE | 2300 | 8.4 |
| 11 | 0600 | 2.3 | 26 | 0525 | 2.3 |
| | 1215 | 7.8 | | 1135 | 7.9 |
| TH | 1820 | 3.0 | FR | 1740 | 2.9 |
| JE | | | VE | 2350 | 8.1 |
| 12 | 0035 | 7.8 | 27 | 0615 | 2.6 |
| | 0655 | 2.8 | | 1230 | 7.7 |
| FR | 1315 | 7.3 | SA | 1835 | 3.1 |
| VE | 1920 | 3.5 | SA | | |
| 13 | 0140 | 7.3 | 28 | 0045 | 7.8 |
| | 0800 | 3.2 | | 0710 | 2.8 |
| SA | 1430 | 7.1 | SU | 1335 | 7.6 |
| SA | 2035 | 3.7 | DI | 1945 | 3.2 |
| 14 | 0255 | 7.1 | 29 | 0155 | 7.6 |
| | 0915 | 3.4 | | 0820 | 2.8 |
| SU | 1540 | 7.1 | MO | 1445 | 7.7 |
| DI | 2150 | 3.7 | LU | 2100 | 3.0 |
| 15 | 0405 | 7.1 | 30 | 0310 | 7.7 |
| | 1020 | 3.3 | | 0930 | 2.7 |
| MO | 1640 | 7.3 | TU | 1555 | 8.0 |
| LU | 2250 | 3.4 | MA | 2210 | 2.7 |
| | | | 31 | 0425 | 7.9 |
| | | | | 1035 | 2.5 |
| | | | WE | 1655 | 8.4 |
| | | | ME | 2310 | 2.2 |

### JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0525 | 8.3 | 16 | 0545 | 7.4 |
| | 1135 | 2.1 | | 1150 | 3.1 |
| TH | 1750 | 8.8 | FR | 1805 | 8.0 |
| JE | | | VE | | |
| 2 | 0010 | 1.7 | 17 | 0020 | 2.7 |
| | 0620 | 8.6 | | 0630 | 7.7 |
| FR | 1230 | 1.8 | SA | 1235 | 2.9 |
| VE | 1845 | 9.2 | SA | 1845 | 8.2 |
| 3 | 0100 | 1.3 | 18 | 0105 | 2.4 |
| | 0710 | 8.9 | | 0715 | 7.9 |
| SA | 1320 | 1.6 | SU | 1315 | 2.7 |
| SA | 1930 | 9.4 | DI | 1925 | 8.5 |
| 4 | 0150 | 1.1 | 19 | 0145 | 2.2 |
| | 0800 | 9.1 | | 0755 | 8.1 |
| SU | 1405 | 1.5 | MO | 1355 | 2.5 |
| DI | 2020 | 9.5 | LU | 2005 | 8.7 |
| 5 | 0235 | 1.1 | 20 | 0225 | 2.0 |
| | 0850 | 9.1 | | 0835 | 8.3 |
| MO | 1455 | 1.6 | TU | 1435 | 2.3 |
| LU | 2105 | 9.4 | MA | 2045 | 8.8 |
| 6 | 0320 | 1.2 | 21 | 0305 | 1.8 |
| | 0935 | 8.9 | | 0915 | 8.4 |
| TU | 1540 | 1.8 | WE | 1515 | 2.2 |
| MA | 2150 | 9.2 | ME | 2130 | 8.9 |
| 7 | 0405 | 1.4 | 22 | 0345 | 1.7 |
| | 1020 | 8.7 | | 0955 | 8.5 |
| WE | 1625 | 2.0 | TH | 1600 | 2.2 |
| ME | 2235 | 8.9 | JE | 2210 | 8.9 |
| 8 | 0450 | 1.7 | 23 | 0430 | 1.7 |
| | 1105 | 8.4 | | 1040 | 8.5 |
| TH | 1710 | 2.4 | FR | 1645 | 2.2 |
| JE | 2320 | 8.5 | VE | 2250 | 8.8 |
| 9 | 0540 | 2.1 | 24 | 0510 | 1.8 |
| | 1155 | 8.0 | | 1125 | 8.5 |
| FR | 1755 | 2.8 | SA | 1730 | 2.3 |
| VE | | | SA | 2340 | 8.6 |
| 10 | 0010 | 8.0 | 25 | 0600 | 2.0 |
| | 0625 | 2.5 | | 1215 | 8.4 |
| SA | 1245 | 7.7 | SU | 1820 | 2.5 |
| SA | 1850 | 3.1 | DI | | |
| 11 | 0100 | 7.6 | 26 | 0030 | 8.3 |
| | 0715 | 2.9 | | 0650 | 2.3 |
| SU | 1335 | 7.5 | MO | 1310 | 8.2 |
| DI | 1945 | 3.4 | LU | 1920 | 2.6 |
| 12 | 0155 | 7.3 | 27 | 0130 | 8.0 |
| | 0810 | 3.2 | | 0750 | 2.5 |
| MO | 1435 | 7.3 | TU | 1410 | 8.1 |
| LU | 2045 | 3.5 | MA | 2025 | 2.7 |
| 13 | 0255 | 7.1 | 28 | 0240 | 7.7 |
| | 0910 | 3.4 | | 0855 | 2.7 |
| TU | 1530 | 7.3 | WE | 1515 | 8.0 |
| MA | 2150 | 3.5 | ME | 2135 | 2.7 |
| 14 | 0400 | 7.1 | 29 | 0350 | 7.7 |
| | 1010 | 3.4 | | 1005 | 2.7 |
| WE | 1625 | 7.5 | TH | 1625 | 8.1 |
| ME | 2245 | 3.3 | JE | 2245 | 2.5 |
| 15 | 0455 | 7.2 | 30 | 0500 | 7.8 |
| | 1100 | 3.3 | | 1110 | 2.6 |
| TH | 1715 | 7.7 | FR | 1730 | 8.4 |
| JE | 2335 | 3.0 | VE | 2350 | 2.2 |

**METRES**

# DIANA BAY (EST 2+5)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0605 | 8.1 | 16 | 0600 | 7.3 |
| | 1210 | 2.4 | | 1205 | 3.2 |
| SA | 1830 | 8.7 | SU | 1820 | 7.9 |
| SA | | | DI | | |
| 2 | 0045 | 1.9 | 17 | 0040 | 2.7 |
| | 0700 | 8.3 | | 0650 | 7.7 |
| SU | 1305 | 2.2 | MO | 1255 | 2.9 |
| DI | 1920 | 8.9 | LU | 1905 | 8.3 |
| 3 | 0140 | 1.6 | 18 | 0125 | 2.3 |
| | 0755 | 8.5 | | 0740 | 8.0 |
| MO | 1355 | 2.0 | TU | 1340 | 2.5 |
| LU | 2010 | 9.1 | MA | 1950 | 8.7 |
| 4 | 0225 | 1.4 | 19 | 0210 | 1.9 |
| | 0840 | 8.7 | | 0820 | 8.4 |
| TU | 1440 | 1.9 | WE | 1420 | 2.1 |
| MA | 2055 | 9.1 | ME | 2035 | 9.1 |
| 5 | 0310 | 1.4 | 20 | 0250 | 1.6 |
| | 0925 | 8.7 | | 0900 | 8.6 |
| WE | 1525 | 1.9 | TH | 1505 | 1.8 |
| ME | 2135 | 9.1 | JE | 2115 | 9.3 |
| 6 | 0350 | 1.5 | 21 | 0330 | 1.3 |
| | 1005 | 8.7 | | 0940 | 9.1 |
| TH | 1605 | 2.0 | FR | 1545 | 1.6 |
| JE | 2220 | 9.0 | VE | 2155 | 9.4 |
| 7 | 0430 | 1.6 | 22 | 0410 | 1.2 |
| | 1045 | 8.6 | | 1025 | 9.2 |
| FR | 1650 | 2.2 | SA | 1630 | 1.6 |
| VE | 2255 | 8.7 | SA | 2240 | 9.3 |
| 8 | 0510 | 1.9 | 23 | 0455 | 1.3 |
| | 1125 | 8.4 | | 1105 | 9.1 |
| SA | 1730 | 2.4 | SU | 1715 | 1.6 |
| SA | 2335 | 8.4 | DI | 2320 | 9.1 |
| 9 | 0550 | 2.2 | 24 | 0535 | 1.5 |
| | 1200 | 8.2 | | 1150 | 9.0 |
| SU | 1810 | 2.7 | MO | 1800 | 1.9 |
| DI | | | LU | | |
| 10 | 0015 | 8.0 | 25 | 0010 | 8.7 |
| | 0630 | 2.6 | | 0625 | 1.9 |
| MO | 1240 | 7.9 | TU | 1240 | 8.6 |
| LU | 1850 | 3.0 | MA | 1855 | 2.2 |
| 11 | 0100 | 7.6 | 26 | 0105 | 8.2 |
| | 0710 | 3.0 | | 0720 | 2.4 |
| TU | 1325 | 7.6 | WE | 1335 | 8.2 |
| MA | 1940 | 3.3 | ME | 1955 | 2.6 |
| 12 | 0150 | 7.2 | 27 | 0210 | 7.7 |
| | 0800 | 3.4 | | 0825 | 2.9 |
| WE | 1420 | 7.4 | TH | 1445 | 7.9 |
| ME | 2040 | 3.5 | JE | 2110 | 2.9 |
| 13 | 0250 | 7.0 | 28 | 0325 | 7.4 |
| | 0900 | 3.6 | | 0940 | 3.1 |
| TH | 1520 | 7.3 | FR | 1605 | 7.7 |
| JE | 2145 | 3.6 | VE | 2230 | 2.9 |
| 14 | 0355 | 6.9 | 29 | 0450 | 7.4 |
| | 1005 | 3.6 | | 1055 | 3.1 |
| FR | 1625 | 7.3 | SA | 1720 | 7.9 |
| VE | 2250 | 3.4 | SA | 2340 | 2.6 |
| 15 | 0500 | 7.0 | 30 | 0600 | 7.6 |
| | 1110 | 3.5 | | 1205 | 2.8 |
| SA | 1725 | 7.6 | SU | 1825 | 8.2 |
| SA | 2350 | 3.1 | DI | | |
| | | | 31 | 0040 | 2.3 |
| | | | | 0700 | 8.0 |
| | | | MO | 1300 | 2.5 |
| | | | LU | 1915 | 8.6 |

### AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0130 | 1.9 | 16 | 0105 | 2.2 |
| | 0750 | 8.3 | | 0720 | 8.2 |
| TU | 1350 | 2.2 | WE | 1320 | 2.3 |
| MA | 2000 | 8.9 | ME | 1935 | 8.9 |
| 2 | 0215 | 1.6 | 17 | 0150 | 1.6 |
| | 0830 | 8.6 | | 0800 | 8.8 |
| WE | 1430 | 2.0 | TH | 1405 | 1.7 |
| ME | 2040 | 9.1 | JE | 2015 | 9.4 |
| 3 | 0255 | 1.5 | 18 | 0230 | 1.2 |
| | 0905 | 8.8 | | 0840 | 9.3 |
| TH | 1510 | 1.8 | FR | 1445 | 1.3 |
| JE | 2120 | 9.1 | VE | 2055 | 9.7 |
| 4 | 0330 | 1.4 | 19 | 0310 | .9 |
| | 0940 | 8.9 | | 0920 | 9.7 |
| FR | 1545 | 1.8 | SA | 1525 | 1.0 |
| VE | 2155 | 9.1 | SA | 2135 | 9.8 |
| 5 | 0405 | 1.5 | 20 | 0350 | .8 |
| | 1015 | 8.9 | | 1000 | 9.8 |
| SA | 1620 | 1.9 | SU | 1610 | .9 |
| SA | 2225 | 8.9 | DI | 2215 | 9.7 |
| 6 | 0435 | 1.7 | 21 | 0430 | .9 |
| | 1045 | 8.7 | | 1040 | 9.7 |
| SU | 1655 | 2.0 | MO | 1650 | 1.1 |
| DI | 2300 | 8.6 | LU | 2300 | 9.4 |
| 7 | 0510 | 2.0 | 22 | 0510 | 1.3 |
| | 1120 | 8.5 | | 1125 | 9.3 |
| MO | 1725 | 2.3 | TU | 1735 | 1.5 |
| LU | 2335 | 8.3 | MA | 2345 | 8.8 |
| 8 | 0540 | 2.4 | 23 | 0600 | 1.8 |
| | 1150 | 8.2 | | 1210 | 8.8 |
| TU | 1805 | 2.7 | WE | 1830 | 2.0 |
| MA | | | ME | | |
| 9 | 0010 | 7.8 | 24 | 0040 | 8.2 |
| | 0615 | 2.8 | | 0650 | 2.5 |
| WE | 1230 | 7.8 | TH | 1310 | 8.1 |
| ME | 1845 | 3.1 | JE | 1930 | 2.7 |
| 10 | 0050 | 7.4 | 25 | 0145 | 7.5 |
| | 0700 | 3.3 | | 0800 | 3.2 |
| TH | 1315 | 7.4 | FR | 1420 | 7.6 |
| JE | 1935 | 3.5 | VE | 2050 | 3.1 |
| 11 | 0145 | 6.9 | 26 | 0310 | 7.0 |
| | 0755 | 3.7 | | 0925 | 3.5 |
| FR | 1415 | 7.1 | SA | 1550 | 7.4 |
| VE | 2045 | 3.8 | SA | 2220 | 3.2 |
| 12 | 0255 | 6.6 | 27 | 0445 | 7.1 |
| | 0905 | 3.9 | | 1055 | 3.4 |
| SA | 1535 | 7.0 | SU | 1715 | 7.6 |
| SA | 2210 | 3.7 | DI | 2335 | 2.9 |
| 13 | 0425 | 6.7 | 28 | 0600 | 7.4 |
| | 1030 | 3.8 | | 1205 | 3.0 |
| SU | 1655 | 7.3 | MO | 1820 | 8.0 |
| DI | 2325 | 3.4 | LU | | |
| 14 | 0535 | 7.1 | 29 | 0035 | 2.4 |
| | 1140 | 3.4 | | 0655 | 7.9 |
| MO | 1755 | 7.7 | TU | 1255 | 2.6 |
| LU | | | MA | 1910 | 8.4 |
| 15 | 0020 | 2.8 | 30 | 0120 | 2.0 |
| | 0635 | 7.6 | | 0735 | 8.4 |
| TU | 1235 | 2.9 | WE | 1335 | 2.2 |
| MA | 1850 | 8.3 | ME | 1950 | 8.7 |
| | | | 31 | 0155 | 1.7 |
| | | | | 0810 | 8.7 |
| | | | TH | 1410 | 1.9 |
| | | | JE | 2020 | 9.0 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0230 | 1.5 | 16 | 0205 | .9 |
| | 0840 | 9.0 | | 0815 | 9.8 |
| FR | 1445 | 1.7 | SA | 1420 | .8 |
| VE | 2055 | 9.1 | SA | 2035 | 9.9 |
| 2 | 0300 | 1.4 | 17 | 0245 | .6 |
| | 0910 | 9.1 | | 0855 | 10.1 |
| SA | 1515 | 1.6 | SU | 1505 | .5 |
| SA | 2125 | 9.1 | DI | 2115 | 10.0 |
| 3 | 0330 | 1.5 | 18 | 0325 | .5 |
| | 0940 | 9.1 | | 0935 | 10.1 |
| SU | 1550 | 1.6 | MO | 1545 | .5 |
| DI | 2155 | 9.0 | LU | 2155 | 9.9 |
| 4 | 0400 | 1.7 | 19 | 0405 | .8 |
| | 1010 | 9.0 | | 1015 | 9.9 |
| MO | 1620 | 1.8 | TU | 1630 | .8 |
| LU | 2225 | 8.7 | MA | 2240 | 9.4 |
| 5 | 0430 | 2.0 | 20 | 0450 | 1.3 |
| | 1040 | 8.8 | | 1100 | 9.4 |
| TU | 1650 | 2.0 | WE | 1715 | 1.3 |
| MA | 2255 | 8.4 | ME | 2325 | 8.8 |
| 6 | 0500 | 2.3 | 21 | 0535 | 2.0 |
| | 1110 | 8.4 | | 1150 | 8.7 |
| WE | 1720 | 2.4 | TH | 1805 | 2.0 |
| ME | 2325 | 8.0 | JE | | |
| 7 | 0535 | 2.7 | 22 | 0020 | 8.0 |
| | 1140 | 8.0 | | 0630 | 2.7 |
| TH | 1800 | 2.9 | FR | 1245 | 8.0 |
| JE | | | VE | 1910 | 2.8 |
| 8 | 0005 | 7.5 | 23 | 0125 | 7.3 |
| | 0610 | 3.2 | | 0740 | 3.4 |
| FR | 1220 | 7.5 | SA | 1405 | 7.4 |
| VE | 1845 | 3.4 | SA | 2035 | 3.3 |
| 9 | 0050 | 6.9 | 24 | 0305 | 6.9 |
| | 0700 | 3.7 | | 0915 | 3.7 |
| SA | 1320 | 7.1 | SU | 1545 | 7.2 |
| SA | 1950 | 3.8 | DI | 2210 | 3.3 |
| 10 | 0205 | 6.6 | 25 | 0440 | 7.0 |
| | 0820 | 4.1 | | 1045 | 3.6 |
| SU | 1445 | 6.9 | MO | 1705 | 7.4 |
| DI | 2130 | 3.9 | LU | 2325 | 3.0 |
| 11 | 0350 | 6.6 | 26 | 0550 | 7.5 |
| | 1000 | 4.0 | | 1150 | 3.1 |
| MO | 1625 | 7.1 | TU | 1805 | 7.9 |
| LU | 2255 | 3.5 | MA | | |
| 12 | 0510 | 7.0 | 27 | 0015 | 2.5 |
| | 1115 | 3.5 | | 0635 | 8.0 |
| TU | 1735 | 7.7 | WE | 1235 | 2.6 |
| MA | 2355 | 2.8 | ME | 1850 | 8.3 |
| 13 | 0610 | 7.8 | 28 | 0055 | 2.1 |
| | 1210 | 2.7 | | 0710 | 8.4 |
| WE | 1825 | 8.4 | TH | 1315 | 2.2 |
| ME | | | JE | 1925 | 8.6 |
| 14 | 0040 | 2.1 | 29 | 0130 | 1.9 |
| | 0655 | 8.5 | | 0740 | 8.7 |
| TH | 1300 | 2.0 | FR | 1345 | 1.9 |
| JE | 1910 | 9.0 | VE | 1955 | 8.8 |
| 15 | 0120 | 1.4 | 30 | 0200 | 1.7 |
| | 0735 | 9.2 | | 0810 | 9.0 |
| FR | 1340 | 1.3 | SA | 1415 | 1.6 |
| VE | 1950 | 9.6 | SA | 2025 | 9.0 |

METRES

## TABLE DES MARÉES

# DIANA BAY (LINE 2+3)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0230 | 1.6 | 16 | 0220 | .6 |
| | 0840 | 9.1 | | 0830 | 10.2 |
| SU | 1445 | 1.5 | MO | 1440 | .4 |
| DI | 2055 | 9.0 | LU | 2055 | 10.0 |
| 2 | 0300 | 1.6 | 17 | 0300 | .7 |
| | 0905 | 9.2 | | 0910 | 10.2 |
| MO | 1515 | 1.5 | TU | 1525 | .4 |
| LU | 2125 | 8.9 | MA | 2135 | 9.8 |
| 3 | 0330 | 1.8 | 18 | 0345 | .9 |
| | 0935 | 9.1 | | 0955 | 9.9 |
| TU | 1545 | 1.7 | WE | 1610 | .8 |
| MA | 2150 | 8.7 | ME | 2220 | 9.3 |
| 4 | 0400 | 2.0 | 19 | 0430 | 1.4 |
| | 1005 | 8.8 | | 1040 | 9.4 |
| WE | 1620 | 2.0 | TH | 1700 | 1.4 |
| ME | 2225 | 8.4 | JE | 2310 | 8.7 |
| 5 | 0430 | 2.3 | 20 | 0520 | 2.1 |
| | 1035 | 8.5 | | 1130 | 8.7 |
| TH | 1650 | 2.3 | FR | 1750 | 2.1 |
| JE | 2255 | 8.0 | VE | | |
| 6 | 0500 | 2.8 | 21 | 0005 | 8.0 |
| | 1110 | 8.1 | | 0615 | 2.8 |
| FR | 1725 | 2.8 | SA | 1230 | 8.0 |
| VE | 2330 | 7.5 | SA | 1855 | 2.8 |
| 7 | 0540 | 3.2 | 22 | 0115 | 7.3 |
| | 1150 | 7.7 | | 0725 | 3.4 |
| SA | 1815 | 3.3 | SU | 1345 | 7.4 |
| SA | | | DI | 2010 | 3.2 |
| 8 | 0020 | 7.0 | 23 | 0245 | 7.0 |
| | 0630 | 3.7 | | 0855 | 3.7 |
| SU | 1245 | 7.2 | MO | 1515 | 7.1 |
| DI | 1920 | 3.7 | LU | 2140 | 3.3 |
| 9 | 0135 | 6.6 | 24 | 0410 | 7.1 |
| | 0745 | 4.0 | | 1020 | 3.6 |
| MO | 1410 | 6.9 | TU | 1635 | 7.3 |
| LU | 2050 | 3.7 | MA | 2250 | 3.1 |
| 10 | 0315 | 6.7 | 25 | 0515 | 7.5 |
| | 0925 | 3.9 | | 1120 | 3.2 |
| TU | 1550 | 7.1 | WE | 1735 | 7.6 |
| MA | 2215 | 3.4 | ME | 2340 | 2.7 |
| 11 | 0440 | 7.2 | 26 | 0600 | 7.9 |
| | 1045 | 3.4 | | 1205 | 2.7 |
| WE | 1700 | 7.7 | TH | 1815 | 8.0 |
| ME | 2320 | 2.7 | JE | | |
| 12 | 0535 | 8.0 | 27 | 0020 | 2.4 |
| | 1145 | 2.6 | | 0635 | 8.3 |
| TH | 1755 | 8.4 | FR | 1245 | 2.3 |
| JE | | | VE | 1855 | 8.3 |
| 13 | 0010 | 2.0 | 28 | 0055 | 2.2 |
| | 0625 | 8.8 | | 0705 | 8.6 |
| FR | 1230 | 1.8 | SA | 1315 | 2.0 |
| VE | 1845 | 9.0 | SA | 1925 | 8.5 |
| 14 | 0055 | 1.4 | 29 | 0130 | 2.0 |
| | 0705 | 9.4 | | 0735 | 8.8 |
| SA | 1315 | 1.1 | SU | 1350 | 1.8 |
| SA | 1925 | 9.6 | DI | 1955 | 8.7 |
| 15 | 0135 | .9 | 30 | 0200 | 1.9 |
| | 0745 | 10.0 | | 0805 | 9.0 |
| SU | 1400 | .6 | MO | 1420 | 1.6 |
| DI | 2010 | 9.9 | LU | 2025 | 8.7 |
| | | | 31 | 0230 | 1.9 |
| | | | | 0835 | 9.1 |
| | | | TU | 1450 | 1.6 |
| | | | MA | 2055 | 8.7 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0300 | 2.0 | 16 | 0330 | 1.2 |
| | 0905 | 9.0 | | 0940 | 9.7 |
| WE | 1520 | 1.8 | TH | 1555 | .9 |
| ME | 2130 | 8.6 | JE | 2210 | 9.1 |
| 2 | 0330 | 2.2 | 17 | 0415 | 1.6 |
| | 0940 | 8.8 | | 1025 | 9.3 |
| TH | 1555 | 2.0 | FR | 1645 | 1.4 |
| JE | 2200 | 8.3 | VE | 2300 | 8.6 |
| 3 | 0405 | 2.4 | 18 | 0505 | 2.1 |
| | 1010 | 8.6 | | 1115 | 8.7 |
| FR | 1630 | 2.3 | SA | 1735 | 2.0 |
| VE | 2235 | 8.0 | SA | 2350 | 8.1 |
| 4 | 0440 | 2.7 | 19 | 0555 | 2.7 |
| | 1050 | 8.2 | | 1210 | 8.1 |
| SA | 1710 | 2.6 | SU | 1830 | 2.5 |
| SA | 2315 | 7.8 | DI | | |
| 5 | 0520 | 3.1 | 20 | 0050 | 7.6 |
| | 1130 | 7.8 | | 0700 | 3.2 |
| SU | 1755 | 3.0 | MO | 1315 | 7.6 |
| DI | | | LU | 1935 | 3.0 |
| 6 | 0005 | 7.3 | 21 | 0205 | 7.3 |
| | 0615 | 3.5 | | 0810 | 3.5 |
| MO | 1225 | 7.5 | TU | 1430 | 7.2 |
| LU | 1855 | 3.3 | MA | 2050 | 3.2 |
| 7 | 0115 | 7.0 | 22 | 0315 | 7.2 |
| | 0725 | 3.7 | | 0925 | 3.6 |
| TU | 1340 | 7.2 | WE | 1540 | 7.2 |
| MA | 2010 | 3.4 | ME | 2155 | 3.3 |
| 8 | 0240 | 7.1 | 23 | 0420 | 7.4 |
| | 0850 | 3.6 | | 1030 | 3.4 |
| WE | 1505 | 7.3 | TH | 1645 | 7.3 |
| ME | 2130 | 3.2 | JE | 2250 | 3.1 |
| 9 | 0355 | 7.5 | 24 | 0510 | 7.7 |
| | 1010 | 3.1 | | 1125 | 3.0 |
| TH | 1620 | 7.7 | FR | 1735 | 7.5 |
| JE | 2240 | 2.7 | VE | 2340 | 2.9 |
| 10 | 0500 | 8.1 | 25 | 0555 | 8.0 |
| | 1110 | 2.5 | | 1205 | 2.7 |
| FR | 1725 | 8.2 | SA | 1815 | 7.8 |
| VE | 2335 | 2.1 | SA | | |
| 11 | 0550 | 8.8 | 26 | 0020 | 2.7 |
| | 1205 | 1.8 | | 0630 | 8.3 |
| SA | 1815 | 8.8 | SU | 1245 | 2.3 |
| SA | | | DI | 1855 | 8.1 |
| 12 | 0025 | 1.6 | 27 | 0055 | 2.5 |
| | 0640 | 9.4 | | 0705 | 8.5 |
| SU | 1250 | 1.2 | MO | 1320 | 2.1 |
| DI | 1905 | 9.3 | LU | 1930 | 8.3 |
| 13 | 0110 | 1.2 | 28 | 0130 | 2.3 |
| | 0725 | 9.8 | | 0740 | 8.7 |
| MO | 1340 | .7 | TU | 1355 | 2.0 |
| LU | 1950 | 9.5 | MA | 2005 | 8.4 |
| 14 | 0200 | 1.0 | 29 | 0205 | 2.3 |
| | 0810 | 10.0 | | 0815 | 8.8 |
| TU | 1425 | .6 | WE | 1430 | 1.9 |
| MA | 2035 | 9.6 | ME | 2035 | 8.4 |
| 15 | 0245 | 1.0 | 30 | 0240 | 2.2 |
| | 0855 | 10.0 | | 0850 | 8.9 |
| WE | 1510 | .6 | TH | 1505 | 1.9 |
| ME | 2120 | 9.4 | JE | 2110 | 8.4 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0315 | 2.3 | 16 | 0405 | 1.7 |
| | 0925 | 8.8 | | 1015 | 9.3 |
| FR | 1540 | 2.0 | SA | 1630 | 1.3 |
| VE | 2150 | 8.3 | SA | 2245 | 8.8 |
| 2 | 0350 | 2.4 | 17 | 0450 | 2.0 |
| | 1000 | 8.7 | | 1100 | 8.9 |
| SA | 1620 | 2.1 | SU | 1715 | 1.7 |
| SA | 2225 | 8.2 | DI | 2330 | 8.4 |
| 3 | 0430 | 2.6 | 18 | 0535 | 2.4 |
| | 1040 | 8.5 | | 1150 | 8.4 |
| SU | 1700 | 2.3 | MO | 1805 | 2.2 |
| DI | 2310 | 8.0 | LU | | |
| 4 | 0515 | 2.7 | 19 | 0020 | 8.1 |
| | 1120 | 8.2 | | 0625 | 2.8 |
| MO | 1745 | 2.5 | TU | 1235 | 7.9 |
| LU | 2355 | 7.8 | MA | 1850 | 2.7 |
| 5 | 0600 | 3.0 | 20 | 0110 | 7.7 |
| | 1210 | 7.9 | | 0720 | 3.2 |
| TU | 1835 | 2.7 | WE | 1330 | 7.5 |
| MA | | | ME | 1945 | 3.1 |
| 6 | 0050 | 7.7 | 21 | 0205 | 7.4 |
| | 0700 | 3.2 | | 0820 | 3.4 |
| WE | 1310 | 7.6 | TH | 1430 | 7.1 |
| ME | 1935 | 2.9 | JE | 2045 | 3.4 |
| 7 | 0200 | 7.6 | 22 | 0305 | 7.3 |
| | 0815 | 3.2 | | 0925 | 3.5 |
| TH | 1425 | 7.5 | FR | 1535 | 7.0 |
| JE | 2045 | 3.0 | VE | 2145 | 3.5 |
| 8 | 0310 | 7.7 | 23 | 0405 | 7.3 |
| | 0930 | 3.0 | | 1030 | 3.4 |
| FR | 1540 | 7.6 | SA | 1640 | 7.0 |
| VE | 2155 | 2.8 | SA | 2245 | 3.4 |
| 9 | 0420 | 8.1 | 24 | 0500 | 7.5 |
| | 1035 | 2.6 | | 1125 | 3.2 |
| SA | 1650 | 7.9 | SU | 1735 | 7.3 |
| SA | 2300 | 2.5 | DI | 2340 | 3.3 |
| 10 | 0520 | 8.5 | 25 | 0555 | 7.8 |
| | 1140 | 2.0 | | 1210 | 2.9 |
| SU | 1750 | 8.3 | MO | 1820 | 7.5 |
| DI | | | LU | | |
| 11 | 0000 | 2.1 | 26 | 0025 | 3.0 |
| | 0615 | 9.0 | | 0635 | 8.1 |
| MO | 1235 | 1.6 | TU | 1255 | 2.6 |
| LU | 1845 | 8.7 | MA | 1905 | 7.8 |
| 12 | 0055 | 1.7 | 27 | 0105 | 2.7 |
| | 0710 | 9.3 | | 0720 | 8.4 |
| TU | 1325 | 1.2 | WE | 1335 | 2.3 |
| MA | 1940 | 9.0 | ME | 1945 | 8.1 |
| 13 | 0145 | 1.5 | 28 | 0145 | 2.5 |
| | 0755 | 9.6 | | 0755 | 8.6 |
| WE | 1415 | .9 | TH | 1415 | 2.0 |
| ME | 2025 | 9.2 | JE | 2025 | 8.3 |
| 14 | 0230 | 1.4 | 29 | 0225 | 2.3 |
| | 0845 | 9.6 | | 0835 | 8.8 |
| TH | 1500 | .9 | FR | 1450 | 1.8 |
| JE | 2115 | 9.2 | VE | 2100 | 8.5 |
| 15 | 0320 | 1.5 | 30 | 0300 | 2.2 |
| | 0930 | 9.5 | | 0910 | 9.0 |
| FR | 1545 | 1.0 | SA | 1530 | 1.7 |
| VE | 2200 | 9.0 | SA | 2140 | 8.6 |
| | | | 31 | 0340 | 2.1 |
| | | | | 0950 | 9.0 |
| | | | SU | 1605 | 1.6 |
| | | | DI | 2215 | 8.7 |

**METRES**

# SAND HEAD (EST)



1989

**JANUARY-JANVIER**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0245 | 1.5 | 16 | 0235 | 1.2 |
| | 0820 | 2.7 | | 0820 | 3.0 |
| SU | 1530 | 1.5 | MO | 1515 | 1.2 |
| DI | 2045 | 2.4 | LU | 2100 | 2.7 |
| 2 | 0320 | 1.7 | 17 | 0320 | 1.5 |
| | 0855 | 2.6 | | 0910 | 2.9 |
| MO | 1610 | 1.6 | TU | 1605 | 1.2 |
| LU | 2130 | 2.3 | MA | 2200 | 2.7 |
| 3 | 0330 | 1.8 | 18 | 0415 | 1.6 |
| | 0930 | 2.6 | | 1000 | 2.8 |
| TU | 1635 | 1.6 | WE | 1655 | 1.2 |
| MA | 2220 | 2.4 | ME | 2300 | 2.7 |
| 4 | 0330 | 1.9 | 19 | 0515 | 1.7 |
| | 1010 | 2.6 | | 1055 | 2.8 |
| WE | 1650 | 1.5 | TH | 1755 | 1.2 |
| ME | 2310 | 2.5 | JE | | |
| 5 | 0415 | 1.8 | 20 | 0000 | 2.8 |
| | 1105 | 2.7 | | 0625 | 1.7 |
| TH | 1730 | 1.3 | FR | 1150 | 2.9 |
| JE | | | VE | 1850 | 1.1 |
| 6 | 0000 | 2.7 | 21 | 0050 | 2.9 |
| | 0525 | 1.7 | | 0730 | 1.6 |
| FR | 1155 | 2.9 | SA | 1245 | 3.0 |
| VE | 1825 | 1.2 | SA | 1945 | .9 |
| 7 | 0055 | 2.9 | 22 | 0140 | 3.1 |
| | 0650 | 1.6 | | 0825 | 1.4 |
| SA | 1250 | 3.0 | SU | 1340 | 3.1 |
| SA | 1930 | .9 | DI | 2040 | .8 |
| 8 | 0145 | 3.1 | 23 | 0225 | 3.3 |
| | 0810 | 1.4 | | 0915 | 1.2 |
| SU | 1345 | 3.2 | MO | 1430 | 3.2 |
| DI | 2030 | .8 | LU | 2130 | .7 |
| 9 | 0235 | 3.4 | 24 | 0315 | 3.4 |
| | 0910 | 1.2 | | 1005 | 1.1 |
| MO | 1440 | 3.3 | TU | 1520 | 3.3 |
| LU | 2125 | .6 | MA | 2220 | .6 |
| 10 | 0325 | 3.5 | 25 | 0400 | 3.5 |
| | 1010 | 1.1 | | 1055 | 1.0 |
| TU | 1535 | 3.4 | WE | 1610 | 3.3 |
| MA | 2220 | .5 | ME | 2305 | .7 |
| 11 | 0415 | 3.6 | 26 | 0445 | 3.4 |
| | 1105 | 1.0 | | 1145 | .9 |
| WE | 1625 | 3.4 | TH | 1700 | 3.2 |
| ME | 2315 | .5 | JE | 2355 | .8 |
| 12 | 0505 | 3.6 | 27 | 0530 | 3.4 |
| | 1155 | .9 | | 1230 | 1.0 |
| TH | 1715 | 3.3 | FR | 1745 | 3.0 |
| JE | | | VE | | |
| 13 | 0005 | .6 | 28 | 0040 | .9 |
| | 0555 | 3.5 | | 0615 | 3.2 |
| FR | 1245 | .9 | SA | 1315 | 1.1 |
| VE | 1810 | 3.2 | SA | 1830 | 2.9 |
| 14 | 0055 | .8 | 29 | 0120 | 1.2 |
| | 0645 | 3.4 | | 0655 | 3.0 |
| SA | 1335 | 1.0 | SU | 1400 | 1.2 |
| SA | 1905 | 3.0 | DI | 1915 | 2.7 |
| 15 | 0145 | 1.0 | 30 | 0200 | 1.4 |
| | 0730 | 3.2 | | 0730 | 2.8 |
| SU | 1425 | 1.1 | MO | 1440 | 1.4 |
| DI | 2000 | 2.9 | LU | 1955 | 2.5 |
| | | | 31 | 0230 | 1.7 |
| | | | | 0800 | 2.7 |
| | | | TU | 1510 | 1.5 |
| | | | MA | 2040 | 2.4 |

**FEBRUARY-FEVRIER**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0235 | 1.8 | 16 | 0405 | 1.7 |
| | 0835 | 2.6 | | 0930 | 2.7 |
| WE | 1525 | 1.6 | TH | 1640 | 1.3 |
| ME | 2135 | 2.4 | JE | 2245 | 2.6 |
| 2 | 0235 | 1.9 | 17 | 0520 | 1.8 |
| | 0920 | 2.6 | | 1035 | 2.6 |
| TH | 1545 | 1.5 | FR | 1745 | 1.3 |
| JE | 2235 | 2.4 | VE | 2345 | 2.7 |
| 3 | 0325 | 1.9 | 18 | 0630 | 1.7 |
| | 1020 | 2.6 | | 1135 | 2.7 |
| FR | 1640 | 1.4 | SA | 1845 | 1.2 |
| VE | 2335 | 2.6 | SA | | |
| 4 | 0450 | 1.8 | 19 | 0035 | 2.8 |
| | 1125 | 2.7 | | 0730 | 1.6 |
| SA | 1750 | 1.2 | SU | 1230 | 2.8 |
| SA | | | DI | 1935 | 1.1 |
| 5 | 0030 | 2.8 | 20 | 0120 | 3.0 |
| | 0635 | 1.7 | | 0815 | 1.4 |
| SU | 1230 | 2.9 | MO | 1320 | 2.9 |
| DI | 1905 | 1.0 | LU | 2025 | 1.0 |
| 6 | 0120 | 3.1 | 21 | 0205 | 3.1 |
| | 0750 | 1.4 | | 0900 | 1.2 |
| MO | 1325 | 3.1 | TU | 1410 | 3.1 |
| LU | 2010 | .8 | MA | 2110 | .9 |
| 7 | 0215 | 3.4 | 22 | 0245 | 3.3 |
| | 0850 | 1.2 | | 0940 | 1.0 |
| TU | 1420 | 3.4 | WE | 1500 | 3.2 |
| MA | 2105 | .6 | ME | 2150 | .8 |
| 8 | 0305 | 3.6 | 23 | 0330 | 3.4 |
| | 0945 | .9 | | 1025 | .9 |
| WE | 1515 | 3.5 | TH | 1545 | 3.3 |
| ME | 2200 | .5 | JE | 2235 | .8 |
| 9 | 0350 | 3.7 | 24 | 0410 | 3.5 |
| | 1035 | .8 | | 1105 | .9 |
| TH | 1605 | 3.6 | FR | 1630 | 3.3 |
| JE | 2250 | .5 | VE | 2320 | .8 |
| 10 | 0440 | 3.7 | 25 | 0455 | 3.4 |
| | 1125 | .7 | | 1150 | .9 |
| FR | 1700 | 3.5 | SA | 1715 | 3.2 |
| VE | 2340 | .5 | SA | | |
| 11 | 0525 | 3.6 | 26 | 0005 | 1.0 |
| | 1215 | .7 | | 0535 | 3.3 |
| SA | 1750 | 3.4 | SU | 1230 | 1.0 |
| SA | | | DI | 1755 | 3.0 |
| 12 | 0030 | .7 | 27 | 0045 | 1.2 |
| | 0615 | 3.5 | | 0610 | 3.1 |
| SU | 1305 | .8 | MO | 1315 | 1.1 |
| DI | 1840 | 3.2 | LU | 1840 | 2.9 |
| 13 | 0120 | 1.0 | 28 | 0125 | 1.4 |
| | 0700 | 3.3 | | 0645 | 2.9 |
| MO | 1355 | .9 | TU | 1350 | 1.3 |
| LU | 1935 | 3.0 | MA | 1920 | 2.7 |
| 14 | 0210 | 1.2 | | | |
| | 0745 | 3.0 | | | |
| TU | 1445 | 1.1 | | | |
| MA | 2035 | 2.8 | | | |
| 15 | 0305 | 1.5 | | | |
| | 0835 | 2.8 | | | |
| WE | 1540 | 1.2 | | | |
| ME | 2140 | 2.7 | | | |

**MARCH-MARS**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0155 | 1.6 | 16 | 0255 | 1.5 |
| | 0720 | 2.7 | | 0810 | 2.7 |
| WE | 1420 | 1.4 | TH | 1520 | 1.2 |
| ME | 2005 | 2.5 | JE | 2120 | 2.7 |
| 2 | 0215 | 1.8 | 17 | 0405 | 1.7 |
| | 0755 | 2.6 | | 0915 | 2.5 |
| TH | 1440 | 1.5 | FR | 1625 | 1.4 |
| JE | 2100 | 2.4 | VE | 2235 | 2.6 |
| 3 | 0225 | 1.9 | 18 | 0525 | 1.8 |
| | 0845 | 2.5 | | 1025 | 2.5 |
| FR | 1510 | 1.5 | SA | 1735 | 1.4 |
| VE | 2205 | 2.5 | SA | 2335 | 2.6 |
| 4 | 0320 | 1.9 | 19 | 0630 | 1.7 |
| | 0955 | 2.5 | | 1125 | 2.5 |
| SA | 1610 | 1.5 | SU | 1835 | 1.4 |
| SA | 2310 | 2.6 | DI | | |
| 5 | 0500 | 1.8 | 20 | 0015 | 2.7 |
| | 1105 | 2.7 | | 0720 | 1.6 |
| SU | 1730 | 1.3 | MO | 1220 | 2.6 |
| DI | | | LU | 1920 | 1.3 |
| 6 | 0005 | 2.8 | 21 | 0055 | 2.9 |
| | 0630 | 1.6 | | 0755 | 1.4 |
| MO | 1210 | 2.9 | TU | 1305 | 2.8 |
| LU | 1845 | 1.1 | MA | 2000 | 1.2 |
| 7 | 0100 | 3.1 | 22 | 0135 | 3.0 |
| | 0730 | 1.3 | | 0830 | 1.2 |
| TU | 1310 | 3.1 | WE | 1350 | 3.0 |
| MA | 1945 | .9 | ME | 2040 | 1.1 |
| 8 | 0150 | 3.4 | 23 | 0215 | 3.2 |
| | 0825 | 1.1 | | 0910 | 1.0 |
| WE | 1405 | 3.4 | TH | 1435 | 3.2 |
| ME | 2040 | .7 | JE | 2120 | .9 |
| 9 | 0235 | 3.6 | 24 | 0255 | 3.4 |
| | 0915 | .8 | | 0945 | .9 |
| TH | 1455 | 3.6 | FR | 1515 | 3.3 |
| JE | 2135 | .5 | VE | 2205 | .9 |
| 10 | 0325 | 3.7 | 25 | 0335 | 3.4 |
| | 1005 | .6 | | 1025 | .8 |
| FR | 1545 | 3.7 | SA | 1600 | 3.4 |
| VE | 2225 | .5 | SA | 2245 | .9 |
| 11 | 0410 | 3.7 | 26 | 0415 | 3.4 |
| | 1055 | .5 | | 1110 | .8 |
| SA | 1635 | 3.7 | SU | 1645 | 3.3 |
| SA | 2315 | .6 | DI | 2330 | 1.0 |
| 12 | 0455 | 3.7 | 27 | 0455 | 3.3 |
| | 1145 | .5 | | 1150 | .9 |
| SU | 1725 | 3.6 | MO | 1725 | 3.2 |
| DI | | | LU | | |
| 13 | 0010 | .8 | 28 | 0015 | 1.2 |
| | 0545 | 3.5 | | 0535 | 3.1 |
| MO | 1235 | .6 | TU | 1230 | 1.0 |
| LU | 1820 | 3.4 | MA | 1810 | 3.0 |
| 14 | 0100 | 1.0 | 29 | 0100 | 1.4 |
| | 0630 | 3.2 | | 0615 | 2.9 |
| TU | 1325 | .8 | WE | 1310 | 1.2 |
| MA | 1915 | 3.1 | ME | 1855 | 2.8 |
| 15 | 0155 | 1.3 | 30 | 0140 | 1.6 |
| | 0720 | 3.0 | | 0650 | 2.7 |
| WE | 1420 | 1.0 | TH | 1350 | 1.3 |
| ME | 2015 | 2.9 | JE | 1945 | 2.7 |
| | | | 31 | 0225 | 1.8 |
| | | | | 0735 | 2.6 |
| | | | FR | 1425 | 1.5 |
| | | | VE | 2040 | 2.6 |

METRES

## TABLE DES MARÉES

# SAND HEAD (JUNE 2+3)

1989

### APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0310 | 1.9 | 16 | 0510 | 1.6 |
| | 0830 | 2.5 | | 1015 | 2.4 |
| SA | 1505 | 1.5 | SU | 1715 | 1.5 |
| SA | 2145 | 2.6 | DI | 2310 | 2.6 |
| 2 | 0410 | 1.9 | 17 | 0610 | 1.6 |
| | 0940 | 2.5 | | 1115 | 2.4 |
| SU | 1605 | 1.5 | MO | 1810 | 1.5 |
| DI | 2245 | 2.7 | LU | 2350 | 2.7 |
| 3 | 0515 | 1.7 | 18 | 0655 | 1.5 |
| | 1050 | 2.6 | | 1200 | 2.5 |
| MO | 1715 | 1.4 | TU | 1855 | 1.5 |
| LU | 2340 | 2.9 | MA | | |
| 4 | 0615 | 1.5 | 19 | 0020 | 2.8 |
| | 1155 | 2.8 | | 0725 | 1.4 |
| TU | 1820 | 1.2 | WE | 1240 | 2.7 |
| MA | | | ME | 1930 | 1.4 |
| 5 | 0030 | 3.1 | 20 | 0055 | 3.0 |
| | 0705 | 1.2 | | 0755 | 1.2 |
| WE | 1250 | 3.1 | TH | 1320 | 2.9 |
| ME | 1920 | 1.0 | JE | 2005 | 1.3 |
| 6 | 0120 | 3.4 | 21 | 0135 | 3.1 |
| | 0755 | .9 | | 0830 | 1.0 |
| TH | 1345 | 3.4 | FR | 1405 | 3.1 |
| JE | 2015 | .9 | VE | 2045 | 1.2 |
| 7 | 0205 | 3.6 | 22 | 0215 | 3.3 |
| | 0845 | .7 | | 0905 | .9 |
| FR | 1435 | 3.6 | SA | 1445 | 3.3 |
| VE | 2110 | .7 | SA | 2125 | 1.1 |
| 8 | 0255 | 3.7 | 23 | 0255 | 3.4 |
| | 0935 | .5 | | 0945 | .8 |
| SA | 1525 | 3.7 | SU | 1530 | 3.4 |
| SA | 2200 | .7 | DI | 2210 | 1.1 |
| 9 | 0340 | 3.7 | 24 | 0340 | 3.4 |
| | 1025 | .4 | | 1030 | .7 |
| SU | 1615 | 3.7 | MO | 1615 | 3.4 |
| DI | 2255 | .7 | LU | 2300 | 1.1 |
| 10 | 0425 | 3.6 | 25 | 0420 | 3.3 |
| | 1115 | .4 | | 1115 | .8 |
| MO | 1705 | 3.6 | TU | 1700 | 3.3 |
| LU | 2350 | .9 | MA | 2350 | 1.2 |
| 11 | 0515 | 3.4 | 26 | 0505 | 3.1 |
| | 1210 | .5 | | 1200 | .9 |
| TU | 1755 | 3.4 | WE | 1750 | 3.2 |
| MA | | | ME | | |
| 12 | 0045 | 1.1 | 27 | 0040 | 1.4 |
| | 0605 | 3.2 | | 0550 | 3.0 |
| WE | 1305 | .7 | TH | 1245 | 1.0 |
| ME | 1855 | 3.2 | JE | 1835 | 3.0 |
| 13 | 0145 | 1.3 | 28 | 0130 | 1.5 |
| | 0655 | 2.9 | | 0635 | 2.7 |
| TH | 1400 | 1.0 | FR | 1330 | 1.2 |
| JE | 1955 | 2.9 | VE | 1925 | 2.9 |
| 14 | 0250 | 1.5 | 29 | 0225 | 1.6 |
| | 0755 | 2.7 | | 0720 | 2.6 |
| FR | 1500 | 1.2 | SA | 1415 | 1.3 |
| VE | 2105 | 2.7 | SA | 2020 | 2.7 |
| 15 | 0400 | 1.6 | 30 | 0315 | 1.7 |
| | 0900 | 2.5 | | 0820 | 2.5 |
| SA | 1605 | 1.4 | SU | 1500 | 1.4 |
| SA | 2215 | 2.7 | DI | 2120 | 2.7 |

### MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0410 | 1.7 | 16 | 0535 | 1.6 |
| | 0930 | 2.5 | | 1050 | 2.4 |
| MO | 1555 | 1.4 | TU | 1730 | 1.6 |
| LU | 2215 | 2.8 | MA | 2305 | 2.7 |
| 2 | 0500 | 1.6 | 17 | 0620 | 1.5 |
| | 1035 | 2.6 | | 1135 | 2.4 |
| TU | 1650 | 1.4 | WE | 1810 | 1.7 |
| MA | 2310 | 2.9 | ME | 2340 | 2.7 |
| 3 | 0550 | 1.4 | 18 | 0650 | 1.4 |
| | 1135 | 2.8 | | 1210 | 2.6 |
| WE | 1750 | 1.3 | TH | 1845 | 1.6 |
| ME | | | JE | | |
| 4 | 0000 | 3.1 | 19 | 0015 | 2.8 |
| | 0635 | 1.1 | | 0715 | 1.3 |
| TH | 1230 | 3.0 | FR | 1250 | 2.8 |
| JE | 1850 | 1.2 | VE | 1915 | 1.5 |
| 5 | 0045 | 3.3 | 20 | 0055 | 3.0 |
| | 0725 | .9 | | 0745 | 1.1 |
| FR | 1320 | 3.3 | SA | 1330 | 3.0 |
| VE | 1945 | 1.0 | SA | 2000 | 1.4 |
| 6 | 0135 | 3.5 | 21 | 0135 | 3.2 |
| | 0815 | .6 | | 0825 | .9 |
| SA | 1410 | 3.5 | SU | 1415 | 3.2 |
| SA | 2040 | .9 | DI | 2050 | 1.3 |
| 7 | 0225 | 3.6 | 22 | 0220 | 3.3 |
| | 0905 | .5 | | 0910 | .8 |
| SU | 1500 | 3.7 | MO | 1505 | 3.3 |
| DI | 2140 | .9 | LU | 2140 | 1.2 |
| 8 | 0310 | 3.6 | 23 | 0305 | 3.3 |
| | 1000 | .4 | | 0955 | .7 |
| MO | 1555 | 3.7 | TU | 1550 | 3.4 |
| LU | 2235 | .9 | MA | 2230 | 1.2 |
| 9 | 0400 | 3.5 | 24 | 0355 | 3.3 |
| | 1055 | .4 | | 1045 | .7 |
| TU | 1645 | 3.6 | WE | 1640 | 3.4 |
| MA | 2330 | .9 | ME | 2325 | 1.2 |
| 10 | 0450 | 3.4 | 25 | 0440 | 3.2 |
| | 1150 | .5 | | 1135 | .8 |
| WE | 1740 | 3.5 | TH | 1730 | 3.3 |
| ME | | | JE | | |
| 11 | 0030 | 1.1 | 26 | 0020 | 1.3 |
| | 0545 | 3.2 | | 0530 | 3.0 |
| TH | 1245 | .7 | FR | 1225 | .9 |
| JE | 1835 | 3.3 | VE | 1815 | 3.2 |
| 12 | 0130 | 1.2 | 27 | 0115 | 1.4 |
| | 0640 | 2.9 | | 0620 | 2.9 |
| FR | 1340 | .9 | SA | 1315 | 1.0 |
| VE | 1935 | 3.0 | SA | 1910 | 3.1 |
| 13 | 0230 | 1.3 | 28 | 0205 | 1.4 |
| | 0740 | 2.7 | | 0710 | 2.7 |
| SA | 1440 | 1.2 | SU | 1400 | 1.2 |
| SA | 2035 | 2.9 | DI | 2000 | 3.0 |
| 14 | 0335 | 1.5 | 29 | 0255 | 1.5 |
| | 0845 | 2.5 | | 0810 | 2.6 |
| SU | 1540 | 1.4 | MO | 1450 | 1.3 |
| DI | 2140 | 2.7 | LU | 2055 | 2.9 |
| 15 | 0440 | 1.5 | 30 | 0345 | 1.5 |
| | 0955 | 2.4 | | 0910 | 2.6 |
| MO | 1640 | 1.6 | TU | 1535 | 1.4 |
| LU | 2230 | 2.7 | MA | 2145 | 2.9 |
| | | | 31 | 0430 | 1.4 |
| | | | | 1015 | 2.7 |
| | | | WE | 1625 | 1.5 |
| | | | ME | 2235 | 2.9 |

### JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0515 | 1.3 | 16 | 0555 | 1.5 |
| | 1115 | 2.8 | | 1135 | 2.5 |
| TH | 1720 | 1.4 | FR | 1725 | 1.8 |
| JE | 2325 | 3.0 | VE | 2325 | 2.7 |
| 2 | 0605 | 1.1 | 17 | 0620 | 1.4 |
| | 1205 | 3.0 | | 1215 | 2.7 |
| FR | 1820 | 1.4 | SA | 1810 | 1.7 |
| VE | | | SA | | |
| 3 | 0015 | 3.2 | 18 | 0010 | 2.9 |
| | 0655 | .9 | | 0655 | 1.2 |
| SA | 1300 | 3.2 | SU | 1300 | 2.9 |
| SA | 1920 | 1.3 | DI | 1910 | 1.6 |
| 4 | 0105 | 3.3 | 19 | 0100 | 3.0 |
| | 0750 | .7 | | 0740 | 1.0 |
| SU | 1350 | 3.4 | MO | 1350 | 3.1 |
| DI | 2020 | 1.2 | LU | 2015 | 1.5 |
| 5 | 0155 | 3.4 | 20 | 0150 | 3.2 |
| | 0845 | .5 | | 0835 | .8 |
| MO | 1440 | 3.5 | TU | 1440 | 3.3 |
| LU | 2120 | 1.1 | MA | 2115 | 1.3 |
| 6 | 0245 | 3.5 | 21 | 0240 | 3.3 |
| | 0940 | .4 | | 0930 | .7 |
| TU | 1535 | 3.6 | WE | 1525 | 3.4 |
| MA | 2220 | 1.0 | ME | 2210 | 1.2 |
| 7 | 0340 | 3.4 | 22 | 0330 | 3.3 |
| | 1035 | .4 | | 1020 | .6 |
| WE | 1625 | 3.6 | TH | 1615 | 3.5 |
| ME | 2315 | 1.0 | JE | 2305 | 1.1 |
| 8 | 0430 | 3.4 | 23 | 0420 | 3.3 |
| | 1130 | .5 | | 1115 | .6 |
| TH | 1720 | 3.5 | FR | 1705 | 3.5 |
| JE | | | VE | 2355 | 1.1 |
| 9 | 0010 | 1.0 | 24 | 0510 | 3.2 |
| | 0525 | 3.2 | | 1205 | .7 |
| FR | 1225 | .7 | SA | 1755 | 3.4 |
| VE | 1810 | 3.4 | SA | | |
| 10 | 0110 | 1.1 | 25 | 0050 | 1.1 |
| | 0620 | 3.0 | | 0605 | 3.0 |
| SA | 1315 | .9 | SU | 1255 | .9 |
| SA | 1905 | 3.2 | DI | 1845 | 3.3 |
| 11 | 0205 | 1.2 | 26 | 0140 | 1.2 |
| | 0715 | 2.7 | | 0655 | 2.9 |
| SU | 1410 | 1.1 | MO | 1340 | 1.0 |
| DI | 2000 | 3.0 | LU | 1935 | 3.1 |
| 12 | 0300 | 1.3 | 27 | 0225 | 1.2 |
| | 0815 | 2.5 | | 0750 | 2.8 |
| MO | 1505 | 1.4 | TU | 1425 | 1.2 |
| LU | 2050 | 2.8 | MA | 2020 | 3.0 |
| 13 | 0355 | 1.4 | 28 | 0315 | 1.3 |
| | 0915 | 2.4 | | 0850 | 2.7 |
| TU | 1555 | 1.6 | WE | 1510 | 1.4 |
| MA | 2135 | 2.7 | ME | 2110 | 2.9 |
| 14 | 0450 | 1.5 | 29 | 0400 | 1.3 |
| | 1010 | 2.3 | | 0950 | 2.7 |
| WE | 1635 | 1.7 | TH | 1600 | 1.5 |
| ME | 2210 | 2.6 | JE | 2200 | 2.9 |
| 15 | 0530 | 1.6 | 30 | 0445 | 1.2 |
| | 1050 | 2.4 | | 1050 | 2.7 |
| TH | 1705 | 1.8 | FR | 1655 | 1.6 |
| JE | 2245 | 2.6 | VE | 2250 | 2.9 |

METRES

# SAND HEAD (EST)



1989

## JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0540 | 1.1 | 16 | 0510 | 1.5 |
| | 1145 | 2.9 | | 1140 | 2.5 |
| SA | 1755 | 1.6 | SU | 1650 | 1.9 |
| SA | 2345 | 3.0 | DI | 2335 | 2.7 |
| 2 | 0635 | 1.0 | 17 | 0605 | 1.3 |
| | 1240 | 3.0 | | 1235 | 2.7 |
| SU | 1905 | 1.5 | MO | 1825 | 1.7 |
| DI | | | LU | | |
| 3 | 0040 | 3.1 | 18 | 0030 | 2.9 |
| | 0730 | .8 | | 0705 | 1.1 |
| MO | 1330 | 3.2 | TU | 1325 | 3.0 |
| LU | 2010 | 1.3 | MA | 1950 | 1.6 |
| 4 | 0135 | 3.2 | 19 | 0125 | 3.1 |
| | 0830 | .7 | | 0805 | .9 |
| TU | 1425 | 3.4 | WE | 1415 | 3.3 |
| MA | 2105 | 1.2 | ME | 2050 | 1.3 |
| 5 | 0225 | 3.3 | 20 | 0220 | 3.2 |
| | 0925 | .5 | | 0905 | .7 |
| WE | 1515 | 3.5 | TH | 1505 | 3.4 |
| ME | 2200 | 1.1 | JE | 2145 | 1.1 |
| 6 | 0320 | 3.4 | 21 | 0310 | 3.4 |
| | 1015 | .5 | | 1000 | .6 |
| TH | 1605 | 3.5 | FR | 1555 | 3.6 |
| JE | 2255 | .9 | VE | 2240 | 1.0 |
| 7 | 0410 | 3.3 | 22 | 0400 | 3.4 |
| | 1110 | .5 | | 1050 | .5 |
| FR | 1655 | 3.5 | SA | 1640 | 3.6 |
| VE | 2350 | .9 | SA | 2330 | .9 |
| 8 | 0505 | 3.2 | 23 | 0455 | 3.4 |
| | 1200 | .6 | | 1140 | .6 |
| SA | 1745 | 3.4 | SU | 1730 | 3.6 |
| SA | | | DI | | |
| 9 | 0040 | 1.0 | 24 | 0020 | .9 |
| | 0555 | 3.1 | | 0545 | 3.3 |
| SU | 1250 | .8 | MO | 1230 | .7 |
| DI | 1830 | 3.3 | LU | 1815 | 3.4 |
| 10 | 0130 | 1.1 | 25 | 0105 | .9 |
| | 0645 | 2.9 | | 0635 | 3.1 |
| MO | 1340 | 1.1 | TU | 1315 | .9 |
| LU | 1915 | 3.0 | MA | 1900 | 3.3 |
| 11 | 0220 | 1.2 | 26 | 0155 | 1.0 |
| | 0735 | 2.7 | | 0730 | 3.0 |
| TU | 1425 | 1.3 | WE | 1405 | 1.2 |
| MA | 2000 | 2.8 | ME | 1950 | 3.1 |
| 12 | 0310 | 1.4 | 27 | 0240 | 1.1 |
| | 0825 | 2.5 | | 0825 | 2.8 |
| WE | 1505 | 1.6 | TH | 1450 | 1.4 |
| ME | 2035 | 2.7 | JE | 2035 | 2.9 |
| 13 | 0355 | 1.5 | 28 | 0330 | 1.2 |
| | 0915 | 2.4 | | 0925 | 2.7 |
| TH | 1535 | 1.8 | FR | 1540 | 1.6 |
| JE | 2110 | 2.6 | VE | 2125 | 2.8 |
| 14 | 0430 | 1.6 | 29 | 0420 | 1.2 |
| | 1000 | 2.3 | | 1030 | 2.7 |
| FR | 1530 | 1.9 | SA | 1640 | 1.7 |
| VE | 2150 | 2.6 | SA | 2225 | 2.8 |
| 15 | 0445 | 1.6 | 30 | 0520 | 1.2 |
| | 1050 | 2.4 | | 1130 | 2.7 |
| SA | 1545 | 1.9 | SU | 1750 | 1.7 |
| SA | 2240 | 2.6 | DI | 2325 | 2.8 |
| | | | 31 | 0620 | 1.1 |
| | | | | 1225 | 2.9 |
| | | | MO | 1900 | 1.6 |
| | | | LU | | |

## AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0020 | 2.9 | 16 | 0005 | 2.8 |
| | 0720 | 1.0 | | 0640 | 1.2 |
| TU | 1315 | 3.0 | WE | 1300 | 3.0 |
| MA | 2000 | 1.4 | ME | 1930 | 1.6 |
| 2 | 0115 | 3.0 | 17 | 0105 | 3.0 |
| | 0815 | .9 | | 0745 | 1.0 |
| WE | 1405 | 3.2 | TH | 1350 | 3.2 |
| ME | 2055 | 1.2 | JE | 2025 | 1.3 |
| 3 | 0210 | 3.2 | 18 | 0200 | 3.3 |
| | 0905 | .7 | | 0840 | .7 |
| TH | 1450 | 3.4 | FR | 1440 | 3.5 |
| JE | 2145 | 1.0 | VE | 2120 | 1.0 |
| 4 | 0300 | 3.3 | 19 | 0250 | 3.4 |
| | 0955 | .6 | | 0935 | .6 |
| FR | 1540 | 3.5 | SA | 1525 | 3.7 |
| VE | 2230 | .9 | SA | 2210 | .8 |
| 5 | 0350 | 3.4 | 20 | 0340 | 3.6 |
| | 1045 | .6 | | 1025 | .5 |
| SA | 1625 | 3.5 | SU | 1615 | 3.7 |
| SA | 2320 | .8 | DI | 2300 | .7 |
| 6 | 0440 | 3.3 | 21 | 0430 | 3.6 |
| | 1130 | .7 | | 1115 | .5 |
| SU | 1710 | 3.4 | MO | 1700 | 3.7 |
| DI | | | LU | 2345 | .6 |
| 7 | 0005 | .9 | 22 | 0525 | 3.5 |
| | 0525 | 3.2 | | 1205 | .7 |
| MO | 1220 | .9 | TU | 1745 | 3.5 |
| LU | 1755 | 3.3 | MA | | |
| 8 | 0050 | .9 | 23 | 0035 | .7 |
| | 0615 | 3.0 | | 0615 | 3.3 |
| TU | 1305 | 1.1 | WE | 1255 | .9 |
| MA | 1835 | 3.1 | ME | 1830 | 3.4 |
| 9 | 0140 | 1.1 | 24 | 0125 | .8 |
| | 0700 | 2.8 | | 0705 | 3.1 |
| WE | 1345 | 1.3 | TH | 1345 | 1.2 |
| ME | 1910 | 2.9 | JE | 1920 | 3.1 |
| 10 | 0220 | 1.3 | 25 | 0215 | 1.0 |
| | 0740 | 2.6 | | 0800 | 2.9 |
| TH | 1425 | 1.6 | FR | 1435 | 1.4 |
| JE | 1945 | 2.7 | VE | 2005 | 2.9 |
| 11 | 0300 | 1.5 | 26 | 0305 | 1.2 |
| | 0825 | 2.4 | | 0905 | 2.7 |
| FR | 1450 | 1.8 | SA | 1535 | 1.6 |
| VE | 2015 | 2.6 | SA | 2100 | 2.7 |
| 12 | 0325 | 1.6 | 27 | 0405 | 1.3 |
| | 0915 | 2.3 | | 1015 | 2.7 |
| SA | 1430 | 2.0 | SU | 1645 | 1.7 |
| SA | 2055 | 2.5 | DI | 2205 | 2.6 |
| 13 | 0335 | 1.6 | 28 | 0510 | 1.3 |
| | 1010 | 2.4 | | 1115 | 2.7 |
| SU | 1455 | 2.0 | MO | 1800 | 1.7 |
| DI | 2155 | 2.5 | LU | 2310 | 2.6 |
| 14 | 0410 | 1.5 | 29 | 0615 | 1.3 |
| | 1110 | 2.5 | | 1210 | 2.8 |
| MO | 1615 | 1.9 | TU | 1905 | 1.6 |
| LU | 2300 | 2.6 | MA | | |
| 15 | 0520 | 1.4 | 30 | 0010 | 2.7 |
| | 1205 | 2.7 | | 0710 | 1.2 |
| TU | 1810 | 1.8 | WE | 1300 | 2.9 |
| MA | | | ME | 1950 | 1.4 |
| | | | 31 | 0100 | 2.9 |
| | | | | 0800 | 1.0 |
| | | | TH | 1340 | 3.1 |
| | | | JE | 2035 | 1.2 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0150 | 3.1 | 16 | 0140 | 3.3 |
| | 0845 | .9 | | 0815 | .8 |
| FR | 1425 | 3.3 | SA | 1410 | 3.5 |
| VE | 2120 | 1.0 | SA | 2050 | .9 |
| 2 | 0240 | 3.3 | 17 | 0230 | 3.5 |
| | 0930 | .8 | | 0905 | .7 |
| SA | 1510 | 3.4 | SU | 1455 | 3.7 |
| SA | 2200 | .9 | DI | 2135 | .6 |
| 3 | 0325 | 3.4 | 18 | 0320 | 3.7 |
| | 1015 | .8 | | 1000 | .6 |
| SU | 1550 | 3.5 | MO | 1545 | 3.7 |
| DI | 2245 | .8 | LU | 2225 | .5 |
| 4 | 0410 | 3.4 | 19 | 0410 | 3.7 |
| | 1100 | .8 | | 1050 | .6 |
| MO | 1635 | 3.4 | TU | 1630 | 3.7 |
| LU | 2330 | .8 | MA | 2315 | .5 |
| 5 | 0455 | 3.3 | 20 | 0500 | 3.6 |
| | 1145 | .9 | | 1140 | .8 |
| TU | 1715 | 3.3 | WE | 1715 | 3.6 |
| MA | | | ME | | |
| 6 | 0010 | .9 | 21 | 0005 | .5 |
| | 0540 | 3.1 | | 0550 | 3.5 |
| WE | 1230 | 1.1 | TH | 1235 | .9 |
| ME | 1755 | 3.1 | JE | 1805 | 3.3 |
| 7 | 0055 | 1.0 | 22 | 0100 | .7 |
| | 0625 | 3.0 | | 0645 | 3.2 |
| TH | 1315 | 1.4 | FR | 1330 | 1.2 |
| JE | 1830 | 2.9 | VE | 1850 | 3.1 |
| 8 | 0135 | 1.2 | 23 | 0150 | .9 |
| | 0705 | 2.7 | | 0745 | 3.0 |
| FR | 1355 | 1.6 | SA | 1430 | 1.4 |
| VE | 1905 | 2.7 | SA | 1945 | 2.8 |
| 9 | 0210 | 1.4 | 24 | 0250 | 1.1 |
| | 0750 | 2.6 | | 0850 | 2.8 |
| SA | 1430 | 1.8 | SU | 1535 | 1.6 |
| SA | 1940 | 2.5 | DI | 2045 | 2.6 |
| 10 | 0235 | 1.6 | 25 | 0350 | 1.3 |
| | 0840 | 2.4 | | 1000 | 2.7 |
| SU | 1445 | 2.0 | MO | 1650 | 1.7 |
| DI | 2020 | 2.4 | LU | 2155 | 2.5 |
| 11 | 0255 | 1.6 | 26 | 0500 | 1.4 |
| | 0940 | 2.4 | | 1105 | 2.7 |
| MO | 1510 | 2.0 | TU | 1800 | 1.7 |
| LU | 2125 | 2.4 | MA | 2305 | 2.5 |
| 12 | 0345 | 1.6 | 27 | 0605 | 1.4 |
| | 1045 | 2.5 | | 1155 | 2.7 |
| TU | 1640 | 1.9 | WE | 1850 | 1.6 |
| MA | 2240 | 2.5 | ME | | |
| 13 | 0500 | 1.4 | 28 | 0000 | 2.6 |
| | 1140 | 2.7 | | 0655 | 1.3 |
| WE | 1805 | 1.7 | TH | 1235 | 2.9 |
| ME | 2345 | 2.7 | JE | 1935 | 1.4 |
| 14 | 0615 | 1.3 | 29 | 0045 | 2.8 |
| | 1235 | 3.0 | | 0740 | 1.2 |
| TH | 1905 | 1.5 | FR | 1315 | 3.0 |
| JE | | | VE | 2010 | 1.2 |
| 15 | 0045 | 3.0 | 30 | 0130 | 3.0 |
| | 0715 | 1.0 | | 0820 | 1.1 |
| FR | 1320 | 3.3 | SA | 1350 | 3.2 |
| VE | 1955 | 1.2 | SA | 2045 | 1.0 |

METRES

## TABLE DES MARÉES

# SAND HEAD (LINE 2+3)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0215 | 3.2 | 16 | 0210 | 3.5 |
| | 0900 | 1.0 | | 0840 | .8 |
| SU | 1430 | 3.4 | MO | 1425 | 3.6 |
| DI | 2125 | .9 | LU | 2105 | .5 |
| 2 | 0300 | 3.3 | 17 | 0300 | 3.7 |
| | 0945 | .9 | | 0930 | .8 |
| MO | 1515 | 3.4 | TU | 1515 | 3.7 |
| LU | 2205 | .8 | MA | 2155 | .4 |
| 3 | 0340 | 3.4 | 18 | 0350 | 3.7 |
| | 1030 | .9 | | 1025 | .8 |
| TU | 1555 | 3.4 | WE | 1600 | 3.7 |
| MA | 2250 | .7 | ME | 2250 | .4 |
| 4 | 0425 | 3.4 | 19 | 0440 | 3.7 |
| | 1115 | 1.0 | | 1120 | .9 |
| WE | 1635 | 3.3 | TH | 1650 | 3.5 |
| ME | 2335 | .8 | JE | 2340 | .5 |
| 5 | 0510 | 3.2 | 20 | 0530 | 3.5 |
| | 1200 | 1.2 | | 1220 | 1.0 |
| TH | 1720 | 3.1 | FR | 1740 | 3.3 |
| JE | | | VE | | |
| 6 | 0015 | .9 | 21 | 0035 | .6 |
| | 0555 | 3.1 | | 0625 | 3.3 |
| FR | 1245 | 1.4 | SA | 1315 | 1.2 |
| VE | 1755 | 2.9 | SA | 1830 | 3.0 |
| 7 | 0100 | 1.1 | 22 | 0135 | .9 |
| | 0640 | 2.9 | | 0725 | 3.1 |
| SA | 1335 | 1.6 | SU | 1420 | 1.4 |
| SA | 1835 | 2.7 | DI | 1930 | 2.8 |
| 8 | 0140 | 1.3 | 23 | 0230 | 1.1 |
| | 0725 | 2.7 | | 0830 | 2.9 |
| SU | 1420 | 1.8 | MO | 1525 | 1.5 |
| DI | 1915 | 2.5 | LU | 2035 | 2.6 |
| 9 | 0215 | 1.5 | 24 | 0335 | 1.3 |
| | 0815 | 2.6 | | 0940 | 2.7 |
| MO | 1510 | 1.9 | TU | 1635 | 1.6 |
| LU | 2005 | 2.4 | MA | 2150 | 2.4 |
| 10 | 0250 | 1.5 | 25 | 0440 | 1.4 |
| | 0915 | 2.6 | | 1040 | 2.7 |
| TU | 1600 | 1.9 | WE | 1740 | 1.6 |
| MA | 2110 | 2.4 | ME | 2255 | 2.4 |
| 11 | 0335 | 1.6 | 26 | 0540 | 1.5 |
| | 1015 | 2.6 | | 1125 | 2.7 |
| WE | 1655 | 1.8 | TH | 1830 | 1.5 |
| ME | 2225 | 2.5 | JE | 2345 | 2.5 |
| 12 | 0440 | 1.5 | 27 | 0630 | 1.5 |
| | 1110 | 2.8 | | 1200 | 2.8 |
| TH | 1745 | 1.6 | FR | 1905 | 1.4 |
| JE | 2325 | 2.7 | VE | | |
| 13 | 0545 | 1.3 | 28 | 0025 | 2.7 |
| | 1200 | 3.0 | | 0710 | 1.5 |
| FR | 1835 | 1.3 | SA | 1235 | 2.9 |
| VE | | | SA | 1940 | 1.2 |
| 14 | 0025 | 3.0 | 29 | 0105 | 2.9 |
| | 0645 | 1.2 | | 0745 | 1.4 |
| SA | 1250 | 3.2 | SU | 1315 | 3.1 |
| SA | 1925 | 1.0 | DI | 2010 | 1.1 |
| 15 | 0115 | 3.3 | 30 | 0145 | 3.0 |
| | 0745 | 1.0 | | 0825 | 1.3 |
| SU | 1340 | 3.5 | MO | 1355 | 3.2 |
| DI | 2015 | .8 | LU | 2050 | .9 |
| | | | 31 | 0230 | 3.2 |
| | | | | 0910 | 1.2 |
| | | | TU | 1435 | 3.3 |
| | | | MA | 2130 | .6 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0315 | 3.3 | 16 | 0330 | 3.7 |
| | 0955 | 1.1 | | 1005 | .9 |
| WE | 1520 | 3.3 | TH | 1535 | 3.6 |
| ME | 2210 | .7 | JE | 2225 | .4 |
| 2 | 0400 | 3.4 | 17 | 0420 | 3.7 |
| | 1045 | 1.2 | | 1105 | .9 |
| TH | 1605 | 3.3 | FR | 1625 | 3.5 |
| JE | 2300 | .8 | VE | 2320 | .4 |
| 3 | 0445 | 3.3 | 18 | 0515 | 3.6 |
| | 1135 | 1.2 | | 1205 | 1.0 |
| FR | 1645 | 3.1 | SA | 1720 | 3.3 |
| VE | 2345 | .9 | SA | | |
| 4 | 0530 | 3.2 | 19 | 0020 | .6 |
| | 1225 | 1.3 | | 0610 | 3.4 |
| SA | 1730 | 3.0 | SU | 1300 | 1.1 |
| SA | | | DI | 1815 | 3.0 |
| 5 | 0030 | 1.0 | 20 | 0115 | .8 |
| | 0620 | 3.0 | | 0705 | 3.2 |
| SU | 1315 | 1.5 | MO | 1400 | 1.2 |
| DI | 1815 | 2.8 | LU | 1915 | 2.8 |
| 6 | 0115 | 1.2 | 21 | 0210 | 1.0 |
| | 0705 | 2.9 | | 0805 | 3.0 |
| MO | 1410 | 1.6 | TU | 1505 | 1.3 |
| LU | 1900 | 2.6 | MA | 2020 | 2.6 |
| 7 | 0200 | 1.3 | 22 | 0310 | 1.2 |
| | 0800 | 2.8 | | 0905 | 2.8 |
| TU | 1500 | 1.7 | WE | 1605 | 1.4 |
| MA | 1955 | 2.5 | ME | 2125 | 2.5 |
| 8 | 0240 | 1.4 | 23 | 0405 | 1.5 |
| | 0850 | 2.7 | | 1000 | 2.7 |
| WE | 1545 | 1.7 | TH | 1705 | 1.5 |
| ME | 2055 | 2.5 | JE | 2230 | 2.4 |
| 9 | 0325 | 1.5 | 24 | 0500 | 1.6 |
| | 0945 | 2.7 | | 1040 | 2.7 |
| TH | 1630 | 1.6 | FR | 1750 | 1.5 |
| JE | 2205 | 2.5 | VE | 2315 | 2.4 |
| 10 | 0415 | 1.5 | 25 | 0550 | 1.7 |
| | 1035 | 2.8 | | 1115 | 2.7 |
| FR | 1715 | 1.4 | SA | 1830 | 1.4 |
| VE | 2305 | 2.7 | SA | 2355 | 2.6 |
| 11 | 0510 | 1.4 | 26 | 0630 | 1.7 |
| | 1130 | 3.0 | | 1155 | 2.8 |
| SA | 1800 | 1.2 | SU | 1900 | 1.3 |
| SA | | | DI | | |
| 12 | 0000 | 2.9 | 27 | 0035 | 2.7 |
| | 0610 | 1.3 | | 0705 | 1.6 |
| SU | 1215 | 3.2 | MO | 1235 | 2.9 |
| DI | 1850 | .9 | LU | 1930 | 1.2 |
| 13 | 0055 | 3.2 | 28 | 0115 | 2.9 |
| | 0710 | 1.2 | | 0745 | 1.5 |
| MO | 1305 | 3.4 | TU | 1315 | 3.0 |
| LU | 1945 | .7 | MA | 2010 | 1.0 |
| 14 | 0145 | 3.4 | 29 | 0200 | 3.1 |
| | 0810 | 1.0 | | 0835 | 1.4 |
| TU | 1355 | 3.5 | WE | 1400 | 3.2 |
| MA | 2040 | .5 | ME | 2050 | .9 |
| 15 | 0235 | 3.6 | 30 | 0245 | 3.3 |
| | 0910 | .9 | | 0925 | 1.3 |
| WE | 1445 | 3.6 | TH | 1450 | 3.3 |
| ME | 2130 | .4 | JE | 2140 | .8 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0330 | 3.4 | 16 | 0400 | 3.6 |
| | 1015 | 1.2 | | 1050 | .9 |
| FR | 1535 | 3.3 | SA | 1605 | 3.4 |
| VE | 2230 | .7 | SA | 2305 | .4 |
| 2 | 0420 | 3.4 | 17 | 0455 | 3.6 |
| | 1110 | 1.2 | | 1145 | .9 |
| SA | 1620 | 3.2 | SU | 1700 | 3.3 |
| SA | 2315 | .8 | DI | | |
| 3 | 0510 | 3.4 | 18 | 0000 | .5 |
| | 1200 | 1.2 | | 0545 | 3.5 |
| SU | 1710 | 3.0 | MO | 1240 | 1.0 |
| DI | | | LU | 1755 | 3.1 |
| 4 | 0005 | .9 | 19 | 0050 | .7 |
| | 0555 | 3.2 | | 0640 | 3.3 |
| MO | 1255 | 1.3 | TU | 1335 | 1.1 |
| LU | 1800 | 2.9 | MA | 1850 | 2.9 |
| 5 | 0055 | 1.0 | 20 | 0145 | 1.0 |
| | 0645 | 3.1 | | 0730 | 3.1 |
| TU | 1345 | 1.4 | WE | 1430 | 1.2 |
| MA | 1850 | 2.8 | ME | 1950 | 2.7 |
| 6 | 0140 | 1.2 | 21 | 0240 | 1.2 |
| | 0735 | 3.0 | | 0825 | 2.9 |
| WE | 1430 | 1.4 | TH | 1525 | 1.3 |
| ME | 1940 | 2.7 | JE | 2050 | 2.5 |
| 7 | 0220 | 1.3 | 22 | 0330 | 1.5 |
| | 0820 | 2.9 | | 0910 | 2.7 |
| TH | 1515 | 1.5 | FR | 1620 | 1.4 |
| JE | 2040 | 2.6 | VE | 2145 | 2.4 |
| 8 | 0305 | 1.4 | 23 | 0415 | 1.7 |
| | 0910 | 2.9 | | 0950 | 2.6 |
| FR | 1600 | 1.4 | SA | 1705 | 1.5 |
| VE | 2140 | 2.6 | SA | 2235 | 2.4 |
| 9 | 0345 | 1.5 | 24 | 0455 | 1.8 |
| | 1000 | 2.9 | | 1025 | 2.6 |
| SA | 1640 | 1.3 | SU | 1745 | 1.5 |
| SA | 2240 | 2.7 | DI | 2320 | 2.4 |
| 10 | 0440 | 1.5 | 25 | 0530 | 1.9 |
| | 1050 | 3.0 | | 1105 | 2.7 |
| SU | 1730 | 1.2 | MO | 1815 | 1.4 |
| DI | 2335 | 2.9 | LU | | |
| 11 | 0540 | 1.5 | 26 | 0000 | 2.6 |
| | 1145 | 3.1 | | 0605 | 1.8 |
| MO | 1820 | 1.0 | TU | 1150 | 2.7 |
| LU | | | MA | 1845 | 1.3 |
| 12 | 0030 | 3.1 | 27 | 0045 | 2.7 |
| | 0645 | 1.4 | | 0700 | 1.7 |
| TU | 1235 | 3.2 | WE | 1240 | 2.9 |
| MA | 1920 | .8 | ME | 1930 | 1.1 |
| 13 | 0125 | 3.3 | 28 | 0130 | 3.0 |
| | 0750 | 1.2 | | 0800 | 1.6 |
| WE | 1330 | 3.4 | TH | 1330 | 3.0 |
| ME | 2015 | .6 | JE | 2020 | .9 |
| 14 | 0215 | 3.5 | 29 | 0220 | 3.2 |
| | 0850 | 1.1 | | 0855 | 1.4 |
| TH | 1420 | 3.4 | FR | 1420 | 3.2 |
| JE | 2110 | .5 | VE | 2110 | .8 |
| 15 | 0310 | 3.6 | 30 | 0310 | 3.4 |
| | 0950 | 1.0 | | 0950 | 1.2 |
| FR | 1515 | 3.5 | SA | 1510 | 3.3 |
| VE | 2210 | .4 | SA | 2200 | .7 |
| | | | 31 | 0355 | 3.4 |
| | | | | 1045 | 1.2 |
| | | | SU | 1600 | 3.3 |
| | | | DI | 2255 | .6 |

METRES

# CHURCHILL (CST 2+6)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0125 | 3.4 | 16 | 0200 | 3.7 |
| | 0725 | 1.2 | | 0755 | .9 |
| SU | 1350 | 3.5 | MO | 1430 | 3.8 |
| DI | 2000 | 1.2 | LU | 2035 | .9 |
| 2 | 0225 | 3.3 | 17 | 0310 | 3.6 |
| | 0825 | 1.3 | | 0910 | 1.0 |
| MO | 1450 | 3.4 | TU | 1535 | 3.7 |
| LU | 2105 | 1.2 | MA | 2150 | .9 |
| 3 | 0330 | 3.3 | 18 | 0420 | 3.6 |
| | 0930 | 1.4 | | 1025 | 1.1 |
| TU | 1550 | 3.4 | WE | 1645 | 3.6 |
| MA | 2210 | 1.2 | ME | 2300 | .9 |
| 4 | 0435 | 3.3 | 19 | 0535 | 3.7 |
| | 1040 | 1.3 | | 1135 | 1.0 |
| WE | 1655 | 3.4 | TH | 1755 | 3.7 |
| ME | 2310 | 1.0 | JE | | |
| 5 | 0540 | 3.4 | 20 | 0005 | .7 |
| | 1140 | 1.2 | | 0640 | 3.8 |
| TH | 1755 | 3.5 | FR | 1230 | .9 |
| JE | | | VE | 1855 | 3.7 |
| 6 | 0005 | .9 | 21 | 0055 | .6 |
| | 0635 | 3.6 | | 0735 | 3.9 |
| FR | 1230 | 1.0 | SA | 1320 | .8 |
| VE | 1845 | 3.7 | SA | 1945 | 3.8 |
| 7 | 0050 | .7 | 22 | 0145 | .5 |
| | 0725 | 3.8 | | 0820 | 4.0 |
| SA | 1315 | .9 | SU | 1405 | .7 |
| SA | 1935 | 3.8 | DI | 2030 | 3.9 |
| 8 | 0135 | .5 | 23 | 0225 | .5 |
| | 0810 | 4.0 | | 0900 | 4.0 |
| SU | 1355 | .6 | MO | 1445 | .7 |
| DI | 2020 | 4.0 | LU | 2110 | 3.9 |
| 9 | 0215 | .3 | 24 | 0305 | .5 |
| | 0855 | 4.1 | | 0935 | 4.0 |
| MO | 1435 | .5 | TU | 1520 | .6 |
| LU | 2105 | 4.2 | MA | 2140 | 3.9 |
| 10 | 0255 | .2 | 25 | 0340 | .5 |
| | 0935 | 4.2 | | 1010 | 4.0 |
| TU | 1515 | .4 | WE | 1555 | .6 |
| MA | 2145 | 4.3 | ME | 2215 | 3.9 |
| 11 | 0340 | .1 | 26 | 0410 | .5 |
| | 1020 | 4.3 | | 1035 | 3.9 |
| WE | 1600 | .3 | TH | 1625 | .6 |
| ME | 2230 | 4.3 | JE | 2245 | 3.8 |
| 12 | 0420 | .1 | 27 | 0440 | .6 |
| | 1105 | 4.3 | | 1105 | 3.9 |
| TH | 1645 | .3 | FR | 1700 | .7 |
| JE | 2320 | 4.2 | VE | 2315 | 3.7 |
| 13 | 0505 | .2 | 28 | 0510 | .7 |
| | 1150 | 4.3 | | 1135 | 3.8 |
| FR | 1730 | .4 | SA | 1735 | .7 |
| VE | | | SA | 2350 | 3.6 |
| 14 | 0010 | 4.1 | 29 | 0545 | .8 |
| | 0555 | .3 | | 1210 | 3.7 |
| SA | 1240 | 4.2 | SU | 1810 | .9 |
| SA | 1825 | .5 | DI | | |
| 15 | 0100 | 3.9 | 30 | 0035 | 3.4 |
| | 0650 | .6 | | 0825 | 1.0 |
| SU | 1330 | 4.0 | MO | 1250 | 3.5 |
| DI | 1925 | .7 | LU | 1855 | 1.0 |
| | | | 31 | 0125 | 3.3 |
| | | | | 0715 | 1.2 |
| | | | TU | 1340 | 3.3 |
| | | | MA | 1955 | 1.1 |

### FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0225 | 3.1 | 16 | 0405 | 3.3 |
| | 0825 | 1.4 | | 1010 | 1.3 |
| WE | 1445 | 3.1 | TH | 1635 | 3.3 |
| ME | 2110 | 1.2 | JE | 2250 | 1.1 |
| 2 | 0345 | 3.1 | 17 | 0525 | 3.4 |
| | 0950 | 1.4 | | 1125 | 1.2 |
| TH | 1605 | 3.1 | FR | 1750 | 3.4 |
| JE | 2225 | 1.1 | VE | 2355 | .9 |
| 3 | 0505 | 3.2 | 18 | 0635 | 3.5 |
| | 1105 | 1.3 | | 1230 | 1.1 |
| FR | 1725 | 3.3 | SA | 1855 | 3.5 |
| VE | 2335 | .9 | SA | | |
| 4 | 0610 | 3.4 | 19 | 0055 | .8 |
| | 1205 | 1.1 | | 0730 | 3.7 |
| SA | 1825 | 3.5 | SU | 1315 | .9 |
| SA | | | DI | 1945 | 3.7 |
| 5 | 0030 | .7 | 20 | 0140 | .6 |
| | 0705 | 3.7 | | 0810 | 3.8 |
| SU | 1250 | .8 | MO | 1400 | .7 |
| DI | 1915 | 3.8 | LU | 2025 | 3.8 |
| 6 | 0115 | .4 | 21 | 0215 | .5 |
| | 0750 | 3.9 | | 0845 | 3.9 |
| MO | 1335 | .5 | TU | 1430 | .6 |
| LU | 2000 | 4.1 | MA | 2055 | 3.9 |
| 7 | 0200 | .2 | 22 | 0250 | .5 |
| | 0835 | 4.1 | | 0915 | 3.9 |
| TU | 1415 | .3 | WE | 1500 | .5 |
| MA | 2045 | 4.3 | ME | 2125 | 3.9 |
| 8 | 0240 | −.1 | 23 | 0315 | .4 |
| | 0920 | 4.3 | | 0940 | 3.9 |
| WE | 1500 | .1 | TH | 1530 | .5 |
| ME | 2130 | 4.4 | JE | 2150 | 3.9 |
| 9 | 0320 | −.2 | 24 | 0340 | .4 |
| | 1000 | 4.4 | | 1005 | 3.9 |
| TH | 1540 | .0 | FR | 1555 | .5 |
| JE | 2215 | 4.4 | VE | 2215 | 3.8 |
| 10 | 0400 | −.2 | 25 | 0405 | .5 |
| | 1045 | 4.5 | | 1030 | 3.9 |
| FR | 1625 | .0 | SA | 1620 | .5 |
| VE | 2300 | 4.3 | SA | 2245 | 3.7 |
| 11 | 0445 | .0 | 26 | 0435 | .5 |
| | 1130 | 4.4 | | 1055 | 3.8 |
| SA | 1710 | .2 | SU | 1650 | .5 |
| SA | 2350 | 4.1 | DI | 2315 | 3.6 |
| 12 | 0530 | .2 | 27 | 0505 | .7 |
| | 1215 | 4.2 | | 1125 | 3.7 |
| SU | 1800 | .4 | MO | 1725 | .7 |
| DI | | | LU | 2350 | 3.5 |
| 13 | 0040 | 3.9 | 28 | 0540 | .9 |
| | 0625 | .5 | | 1200 | 3.5 |
| MO | 1305 | 3.9 | TU | 1805 | .8 |
| LU | 1900 | .6 | MA | | |
| 14 | 0135 | 3.7 | | | |
| | 0725 | .9 | | | |
| TU | 1400 | 3.7 | | | |
| MA | 2005 | .9 | | | |
| 15 | 0245 | 3.4 | | | |
| | 0840 | 1.2 | | | |
| WE | 1510 | 3.4 | | | |
| ME | 2125 | 1.1 | | | |

### MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0035 | 3.3 | 16 | 0220 | 3.3 |
| | 0625 | 1.1 | | 0815 | 1.3 |
| WE | 1250 | 3.2 | TH | 1450 | 3.2 |
| ME | 1900 | 1.0 | JE | 2100 | 1.2 |
| 2 | 0135 | 3.1 | 17 | 0345 | 3.2 |
| | 0735 | 1.3 | | 0950 | 1.4 |
| TH | 1355 | 3.0 | FR | 1620 | 3.1 |
| JE | 2015 | 1.2 | VE | 2230 | 1.2 |
| 3 | 0255 | 3.0 | 18 | 0510 | 3.3 |
| | 0905 | 1.4 | | 1115 | 1.3 |
| FR | 1525 | 3.0 | SA | 1740 | 3.3 |
| VE | 2145 | 1.2 | SA | 2345 | 1.1 |
| 4 | 0425 | 3.1 | 19 | 0620 | 3.4 |
| | 1030 | 1.3 | | 1215 | 1.1 |
| SA | 1655 | 3.1 | SU | 1840 | 3.5 |
| SA | 2305 | 1.0 | DI | | |
| 5 | 0540 | 3.4 | 20 | 0040 | .9 |
| | 1135 | 1.0 | | 0710 | 3.6 |
| SU | 1800 | 3.5 | MO | 1300 | .9 |
| DI | | | LU | 1925 | 3.7 |
| 6 | 0005 | .7 | 21 | 0120 | .7 |
| | 0635 | 3.7 | | 0745 | 3.7 |
| MO | 1225 | .7 | TU | 1340 | .7 |
| LU | 1850 | 3.8 | MA | 2000 | 3.8 |
| 7 | 0050 | .3 | 22 | 0155 | .5 |
| | 0725 | 4.0 | | 0820 | 3.8 |
| TU | 1310 | .4 | WE | 1410 | .5 |
| MA | 1940 | 4.1 | ME | 2030 | 3.9 |
| 8 | 0135 | .1 | 23 | 0225 | .5 |
| | 0810 | 4.2 | | 0845 | 3.9 |
| WE | 1355 | .1 | TH | 1435 | .5 |
| ME | 2025 | 4.3 | JE | 2055 | 3.9 |
| 9 | 0215 | −.2 | 24 | 0250 | .5 |
| | 0855 | 4.4 | | 0910 | 3.9 |
| TH | 1435 | −.1 | FR | 1500 | .4 |
| JE | 2110 | 4.4 | VE | 2120 | 3.9 |
| 10 | 0255 | −.2 | 25 | 0310 | .5 |
| | 0935 | 4.5 | | 0930 | 3.9 |
| FR | 1520 | −.2 | SA | 1525 | .4 |
| VE | 2155 | 4.4 | SA | 2150 | 3.8 |
| 11 | 0340 | −.2 | 26 | 0335 | .5 |
| | 1020 | 4.5 | | 0955 | 3.8 |
| SA | 1605 | −.2 | SU | 1550 | .4 |
| SA | 2245 | 4.4 | DI | 2215 | 3.7 |
| 12 | 0420 | −.1 | 27 | 0400 | .6 |
| | 1105 | 4.4 | | 1020 | 3.7 |
| SU | 1650 | .0 | MO | 1615 | .5 |
| DI | 2330 | 4.1 | LU | 2245 | 3.7 |
| 13 | 0505 | .2 | 28 | 0430 | .7 |
| | 1150 | 4.1 | | 1055 | 3.6 |
| MO | 1735 | .3 | TU | 1650 | .6 |
| LU | | | MA | 2325 | 3.5 |
| 14 | 0020 | 3.9 | 29 | 0510 | .8 |
| | 0600 | .6 | | 1130 | 3.4 |
| TU | 1240 | 3.8 | WE | 1730 | .8 |
| MA | 1830 | .6 | ME | | |
| 15 | 0115 | 3.6 | 30 | 0010 | 3.4 |
| | 0700 | 1.0 | | 0600 | 1.0 |
| WE | 1335 | 3.5 | TH | 1220 | 3.2 |
| ME | 1940 | 1.0 | JE | 1830 | 1.0 |
| | | | 31 | 0110 | 3.2 |
| | | | | 0705 | 1.2 |
| | | | FR | 1330 | 3.1 |
| | | | VE | 1945 | 1.1 |

**METRES**

## TABLE DES MARÉES

## CHURCHILL (UTC −6)

1989

### APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0225 | 3.1 | 16 | 0435 | 3.3 |
| | 0830 | 1.3 | | 1045 | 1.3 |
| SA | 1455 | 3.0 | SU | 1710 | 3.3 |
| SA | 2110 | 1.1 | DI | 2310 | 1.1 |
| 2 | 0350 | 3.2 | 17 | 0540 | 3.4 |
| | 0955 | 1.2 | | 1145 | 1.1 |
| SU | 1620 | 3.2 | MO | 1805 | 3.5 |
| DI | 2230 | .9 | LU | | |
| 3 | 0500 | 3.4 | 18 | 0005 | .9 |
| | 1105 | .9 | | 0625 | 3.6 |
| MO | 1725 | 3.6 | TU | 1230 | .9 |
| LU | 2330 | .6 | MA | 1845 | 3.7 |
| 4 | 0600 | 3.7 | 19 | 0045 | .8 |
| | 1200 | .6 | | 0705 | 3.7 |
| TU | 1820 | 3.9 | WE | 1305 | .7 |
| MA | | | ME | 1925 | 3.8 |
| 5 | 0025 | .3 | 20 | 0120 | .7 |
| | 0650 | 4.0 | | 0735 | 3.8 |
| WE | 1245 | .3 | TH | 1335 | .5 |
| ME | 1910 | 4.1 | JE | 1955 | 3.8 |
| 6 | 0110 | .1 | 21 | 0150 | .6 |
| | 0740 | 4.3 | | 0805 | 3.9 |
| TH | 1330 | .0 | FR | 1405 | .5 |
| JE | 2000 | 4.3 | VE | 2025 | 3.9 |
| 7 | 0150 | −.1 | 22 | 0220 | .6 |
| | 0825 | 4.5 | | 0835 | 3.9 |
| FR | 1415 | −.2 | SA | 1430 | .4 |
| VE | 2050 | 4.5 | SA | 2055 | 3.8 |
| 8 | 0235 | −.2 | 23 | 0245 | .6 |
| | 0910 | 4.5 | | 0900 | 3.8 |
| SA | 1500 | −.3 | SU | 1455 | .4 |
| SA | 2140 | 4.5 | DI | 2125 | 3.8 |
| 9 | 0315 | −.2 | 24 | 0310 | .6 |
| | 0955 | 4.5 | | 0930 | 3.8 |
| SU | 1540 | −.2 | MO | 1525 | .4 |
| DI | 2225 | 4.4 | LU | 2200 | 3.7 |
| 10 | 0400 | .0 | 25 | 0340 | .6 |
| | 1040 | 4.3 | | 1000 | 3.7 |
| MO | 1625 | .0 | TU | 1555 | .5 |
| LU | 2310 | 4.1 | MA | 2235 | 3.7 |
| 11 | 0445 | .3 | 26 | 0415 | .7 |
| | 1125 | 4.1 | | 1040 | 3.6 |
| TU | 1715 | .3 | WE | 1635 | .5 |
| MA | | | ME | 2315 | 3.6 |
| 12 | 0000 | 3.9 | 27 | 0455 | .8 |
| | 0540 | .7 | | 1120 | 3.5 |
| WE | 1215 | 3.7 | TH | 1720 | .7 |
| ME | 1810 | .7 | JE | | |
| 13 | 0050 | 3.6 | 28 | 0000 | 3.5 |
| | 0635 | 1.0 | | 0550 | 1.0 |
| TH | 1310 | 3.4 | FR | 1215 | 3.4 |
| JE | 1910 | 1.0 | VE | 1815 | .9 |
| 14 | 0155 | 3.4 | 29 | 0055 | 3.4 |
| | 0750 | 1.3 | | 0650 | 1.1 |
| FR | 1420 | 3.1 | SA | 1320 | 3.3 |
| VE | 2030 | 1.2 | SA | 1925 | 1.0 |
| 15 | 0315 | 3.2 | 30 | 0205 | 3.4 |
| | 0920 | 1.4 | | 0805 | 1.1 |
| SA | 1550 | 3.1 | SU | 1435 | 3.3 |
| SA | 2200 | 1.3 | DI | 2040 | 1.0 |

### MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0315 | 3.5 | 16 | 0440 | 3.5 |
| | 0920 | 1.0 | | 1050 | 1.1 |
| MO | 1545 | 3.4 | TU | 1710 | 3.4 |
| LU | 2155 | .9 | MA | 2315 | 1.1 |
| 2 | 0425 | 3.7 | 17 | 0530 | 3.6 |
| | 1030 | .8 | | 1140 | .9 |
| TU | 1655 | 3.7 | WE | 1800 | 3.6 |
| MA | 2255 | .7 | ME | | |
| 3 | 0525 | 3.9 | 18 | 0000 | 1.0 |
| | 1130 | .5 | | 0610 | 3.7 |
| WE | 1750 | 3.9 | TH | 1225 | .8 |
| ME | 2355 | .4 | JE | 1840 | 3.7 |
| 4 | 0615 | 4.1 | 19 | 0040 | .9 |
| | 1220 | .2 | | 0650 | 3.7 |
| TH | 1845 | 4.1 | FR | 1300 | .6 |
| JE | | | VE | 1920 | 3.8 |
| 5 | 0045 | .2 | 20 | 0115 | .8 |
| | 0705 | 4.3 | | 0730 | 3.8 |
| FR | 1310 | .0 | SA | 1335 | .5 |
| VE | 1940 | 4.3 | SA | 2000 | 3.8 |
| 6 | 0130 | .1 | 21 | 0150 | .8 |
| | 0755 | 4.5 | | 0805 | 3.8 |
| SA | 1355 | −.2 | SU | 1405 | .5 |
| SA | 2030 | 4.4 | DI | 2035 | 3.8 |
| 7 | 0215 | .0 | 22 | 0220 | .7 |
| | 0845 | 4.5 | | 0840 | 3.8 |
| SU | 1440 | −.2 | MO | 1435 | .5 |
| DI | 2120 | 4.4 | LU | 2110 | 3.8 |
| 8 | 0300 | .1 | 23 | 0250 | .7 |
| | 0930 | 4.4 | | 0915 | 3.8 |
| MO | 1525 | −.1 | TU | 1505 | .5 |
| LU | 2205 | 4.3 | MA | 2145 | 3.8 |
| 9 | 0345 | .2 | 24 | 0325 | .7 |
| | 1020 | 4.2 | | 0950 | 3.8 |
| TU | 1610 | .1 | WE | 1545 | .5 |
| MA | 2250 | 4.1 | ME | 2225 | 3.8 |
| 10 | 0430 | .5 | 25 | 0405 | .7 |
| | 1105 | 4.0 | | 1035 | 3.8 |
| WE | 1655 | .4 | TH | 1625 | .5 |
| ME | 2340 | 3.9 | JE | 2310 | 3.8 |
| 11 | 0520 | .8 | 26 | 0450 | .7 |
| | 1150 | 3.7 | | 1120 | 3.7 |
| TH | 1745 | .7 | FR | 1710 | .5 |
| JE | | | VE | 2355 | 3.8 |
| 12 | 0030 | 3.7 | 27 | 0540 | .8 |
| | 0615 | 1.0 | | 1210 | 3.7 |
| FR | 1245 | 3.5 | SA | 1805 | .7 |
| VE | 1845 | 1.0 | SA | | |
| 13 | 0125 | 3.5 | 28 | 0045 | 3.7 |
| | 0720 | 1.2 | | 0635 | .9 |
| SA | 1350 | 3.3 | SU | 1305 | 3.6 |
| SA | 1950 | 1.2 | DI | 1905 | .8 |
| 14 | 0230 | 3.4 | 29 | 0145 | 3.7 |
| | 0835 | 1.3 | | 0740 | .9 |
| SU | 1500 | 3.2 | MO | 1410 | 3.6 |
| DI | 2105 | 1.2 | LU | 2010 | .8 |
| 15 | 0340 | 3.4 | 30 | 0245 | 3.7 |
| | 0950 | 1.3 | | 0850 | .9 |
| MO | 1610 | 3.3 | TU | 1515 | 3.6 |
| LU | 2215 | 1.2 | MA | 2120 | .8 |
| | | | 31 | 0350 | 3.8 |
| | | | | 1000 | .8 |
| | | | WE | 1625 | 3.7 |
| | | | ME | 2225 | .7 |

### JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0450 | 4.0 | 16 | 0520 | 3.6 |
| | 1100 | .5 | | 1140 | .9 |
| TH | 1725 | 3.9 | FR | 1800 | 3.5 |
| JE | 2325 | .6 | VE | | |
| 2 | 0545 | 4.1 | 17 | 0000 | 1.1 |
| | 1200 | .3 | | 0610 | 3.6 |
| FR | 1825 | 4.1 | SA | 1225 | .8 |
| VE | | | SA | 1850 | 3.6 |
| 3 | 0020 | .5 | 18 | 0045 | 1.0 |
| | 0640 | 4.2 | | 0655 | 3.7 |
| SA | 1250 | .2 | SU | 1305 | .7 |
| SA | 1920 | 4.2 | DI | 1935 | 3.7 |
| 4 | 0110 | .4 | 19 | 0125 | .9 |
| | 0735 | 4.3 | | 0740 | 3.7 |
| SU | 1335 | .0 | MO | 1340 | .6 |
| DI | 2015 | 4.3 | LU | 2015 | 3.8 |
| 5 | 0200 | .3 | 20 | 0200 | .8 |
| | 0825 | 4.3 | | 0820 | 3.8 |
| MO | 1425 | .0 | TU | 1420 | .5 |
| LU | 2105 | 4.3 | MA | 2055 | 3.9 |
| 6 | 0245 | .4 | 21 | 0235 | .7 |
| | 0915 | 4.3 | | 0900 | 3.9 |
| TU | 1510 | .1 | WE | 1455 | .4 |
| MA | 2150 | 4.3 | ME | 2135 | 4.0 |
| 7 | 0330 | .5 | 22 | 0315 | .6 |
| | 1000 | 4.1 | | 0940 | 4.0 |
| WE | 1555 | .2 | TH | 1535 | .3 |
| ME | 2235 | 4.1 | JE | 2215 | 4.1 |
| 8 | 0415 | .6 | 23 | 0355 | .6 |
| | 1045 | 4.0 | | 1025 | 4.0 |
| TH | 1640 | .5 | FR | 1615 | .3 |
| JE | 2320 | 4.0 | VE | 2255 | 4.1 |
| 9 | 0500 | .8 | 24 | 0435 | .5 |
| | 1130 | 3.8 | | 1110 | 4.0 |
| FR | 1725 | .7 | SA | 1700 | .3 |
| VE | | | SA | 2340 | 4.1 |
| 10 | 0005 | 3.8 | 25 | 0525 | .6 |
| | 0550 | .9 | | 1155 | 3.9 |
| SA | 1215 | 3.6 | SU | 1745 | .5 |
| SA | 1815 | .9 | DI | | |
| 11 | 0050 | 3.7 | 26 | 0030 | 4.1 |
| | 0645 | 1.1 | | 0615 | .6 |
| SU | 1310 | 3.5 | MO | 1250 | 3.8 |
| DI | 1905 | 1.1 | LU | 1840 | .6 |
| 12 | 0140 | 3.6 | 27 | 0120 | 4.0 |
| | 0740 | 1.2 | | 0715 | .7 |
| MO | 1405 | 3.4 | TU | 1345 | 3.7 |
| LU | 2005 | 1.2 | MA | 1940 | .8 |
| 13 | 0235 | 3.5 | 28 | 0215 | 3.9 |
| | 0845 | 1.2 | | 0820 | .8 |
| TU | 1505 | 3.3 | WE | 1450 | 3.7 |
| MA | 2110 | 1.2 | ME | 2050 | .9 |
| 14 | 0330 | 3.5 | 29 | 0320 | 3.9 |
| | 0950 | 1.2 | | 0930 | .8 |
| WE | 1610 | 3.4 | TH | 1600 | 3.7 |
| ME | 2215 | 1.2 | JE | 2200 | .9 |
| 15 | 0425 | 3.5 | 30 | 0420 | 3.9 |
| | 1050 | 1.0 | | 1040 | .7 |
| TH | 1705 | 3.4 | FR | 1710 | 3.8 |
| JE | 2310 | 1.2 | VE | 2305 | .9 |

METRES

# CHURCHILL (CST)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0525 | 3.9 | 16 | 0535 | 3.4 |
| | 1140 | .5 | | 1150 | 1.0 |
| SA | 1815 | 3.9 | SU | 1820 | 3.5 |
| SA | | | DI | | |
| 2 | 0005 | .8 | 17 | 0015 | 1.2 |
| | 0625 | 4.0 | | 0630 | 3.5 |
| SU | 1235 | .4 | MO | 1240 | .8 |
| DI | 1910 | 4.1 | LU | 1910 | 3.7 |
| 3 | 0100 | .7 | 18 | 0100 | 1.0 |
| | 0725 | 4.1 | | 0720 | 3.7 |
| MO | 1325 | .3 | TU | 1320 | .6 |
| LU | 2005 | 4.1 | MA | 1955 | 3.8 |
| 4 | 0150 | .6 | 19 | 0140 | .8 |
| | 0815 | 4.1 | | 0805 | 3.9 |
| TU | 1415 | .3 | WE | 1400 | .5 |
| MA | 2055 | 4.2 | ME | 2035 | 4.0 |
| 5 | 0235 | .6 | 20 | 0220 | .6 |
| | 0905 | 4.1 | | 0845 | 4.1 |
| WE | 1500 | .3 | TH | 1440 | .3 |
| ME | 2140 | 4.2 | JE | 2120 | 4.1 |
| 6 | 0320 | .6 | 21 | 0255 | .5 |
| | 0945 | 4.1 | | 0925 | 4.2 |
| TH | 1540 | .4 | FR | 1515 | .2 |
| JE | 2220 | 4.1 | VE | 2200 | 4.3 |
| 7 | 0400 | .6 | 22 | 0335 | .4 |
| | 1025 | 4.0 | | 1010 | 4.2 |
| FR | 1620 | .5 | SA | 1555 | .1 |
| VE | 2255 | 4.1 | SA | 2240 | 4.3 |
| 8 | 0440 | .7 | 23 | 0420 | .3 |
| | 1105 | 3.9 | | 1055 | 4.2 |
| SA | 1700 | .6 | SU | 1640 | .2 |
| SA | 2335 | 4.0 | DI | 2325 | 4.3 |
| 9 | 0520 | .8 | 24 | 0505 | .4 |
| | 1145 | 3.7 | | 1140 | 4.1 |
| SU | 1735 | .8 | MO | 1725 | .3 |
| DI | | | LU | | |
| 10 | 0010 | 3.9 | 25 | 0010 | 4.2 |
| | 0600 | .9 | | 0550 | .5 |
| MO | 1225 | 3.8 | TU | 1230 | 4.0 |
| LU | 1820 | .9 | MA | 1815 | .5 |
| 11 | 0050 | 3.7 | 26 | 0055 | 4.1 |
| | 0650 | 1.0 | | 0650 | .6 |
| TU | 1310 | 3.5 | WE | 1325 | 3.8 |
| MA | 1905 | 1.1 | ME | 1910 | .8 |
| 12 | 0130 | 3.6 | 27 | 0150 | 3.9 |
| | 0740 | 1.1 | | 0755 | .8 |
| WE | 1405 | 3.4 | TH | 1425 | 3.7 |
| ME | 2000 | 1.3 | JE | 2020 | 1.0 |
| 13 | 0225 | 3.5 | 28 | 0250 | 3.7 |
| | 0840 | 1.2 | | 0905 | .9 |
| TH | 1505 | 3.3 | FR | 1540 | 3.6 |
| JE | 2105 | 1.4 | VE | 2140 | 1.2 |
| 14 | 0325 | 3.4 | 29 | 0405 | 3.7 |
| | 0950 | 1.2 | | 1020 | .9 |
| FR | 1615 | 3.2 | SA | 1655 | 3.6 |
| VE | 2220 | 1.4 | SA | 2255 | 1.1 |
| 15 | 0430 | 3.3 | 30 | 0515 | 3.7 |
| | 1055 | 1.1 | | 1130 | .8 |
| SA | 1720 | 3.3 | SU | 1805 | 3.7 |
| SA | 2325 | 1.3 | DI | | |
| | | | 31 | 0000 | 1.0 |
| | | | | 0625 | 3.7 |
| | | | MO | 1230 | .7 |
| | | | LU | 1910 | 3.9 |

### AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0055 | .9 | 16 | 0035 | 1.0 |
| | 0720 | 3.9 | | 0655 | 3.7 |
| TU | 1320 | .5 | WE | 1300 | .6 |
| MA | 2000 | 4.0 | ME | 1930 | 3.9 |
| 2 | 0145 | .8 | 17 | 0120 | .7 |
| | 0810 | 4.0 | | 0740 | 4.0 |
| WE | 1405 | .5 | TH | 1340 | .4 |
| ME | 2045 | 4.1 | JE | 2015 | 4.1 |
| 3 | 0225 | .7 | 18 | 0155 | .5 |
| | 0855 | 4.1 | | 0825 | 4.2 |
| TH | 1445 | .4 | FR | 1415 | .2 |
| JE | 2125 | 4.1 | VE | 2055 | 4.3 |
| 4 | 0305 | .6 | 19 | 0235 | .3 |
| | 0930 | 4.1 | | 0905 | 4.3 |
| FR | 1525 | .5 | SA | 1455 | .0 |
| VE | 2200 | 4.1 | SA | 2135 | 4.5 |
| 5 | 0340 | .6 | 20 | 0315 | .2 |
| | 1005 | 4.0 | | 0950 | 4.4 |
| SA | 1555 | .5 | SU | 1535 | .0 |
| SA | 2225 | 4.1 | DI | 2215 | 4.5 |
| 6 | 0415 | .6 | 21 | 0355 | .1 |
| | 1035 | 3.9 | | 1035 | 4.4 |
| SU | 1625 | .6 | MO | 1615 | .0 |
| DI | 2255 | 4.0 | LU | 2300 | 4.5 |
| 7 | 0445 | .7 | 22 | 0440 | .2 |
| | 1105 | 3.8 | | 1120 | 4.2 |
| MO | 1655 | .7 | TU | 1700 | .2 |
| LU | 2325 | 3.9 | MA | 2345 | 4.3 |
| 8 | 0520 | .8 | 23 | 0530 | .3 |
| | 1140 | 3.7 | | 1210 | 4.1 |
| TU | 1730 | .9 | WE | 1750 | .5 |
| MA | 2355 | 3.8 | ME | | |
| 9 | 0555 | .9 | 24 | 0030 | 4.1 |
| | 1220 | 3.5 | | 0625 | .6 |
| WE | 1810 | 1.1 | TH | 1305 | 3.8 |
| ME | | | JE | 1845 | .9 |
| 10 | 0035 | 3.6 | 25 | 0125 | 3.8 |
| | 0640 | 1.0 | | 0725 | .9 |
| TH | 1305 | 3.4 | FR | 1410 | 3.6 |
| JE | 1855 | 1.3 | VE | 2000 | 1.2 |
| 11 | 0120 | 3.4 | 26 | 0230 | 3.6 |
| | 0735 | 1.2 | | 0845 | 1.1 |
| FR | 1405 | 3.2 | SA | 1525 | 3.5 |
| VE | 2000 | 1.5 | SA | 2125 | 1.4 |
| 12 | 0220 | 3.2 | 27 | 0355 | 3.4 |
| | 0845 | 1.3 | | 1010 | 1.1 |
| SA | 1520 | 3.1 | SU | 1650 | 3.5 |
| SA | 2125 | 1.6 | DI | 2250 | 1.3 |
| 13 | 0340 | 3.1 | 28 | 0515 | 3.5 |
| | 1005 | 1.3 | | 1125 | 1.0 |
| SU | 1645 | 3.2 | MO | 1805 | 3.7 |
| DI | 2245 | 1.5 | LU | | |
| 14 | 0500 | 3.2 | 29 | 0000 | 1.2 |
| | 1115 | 1.1 | | 0625 | 3.7 |
| MO | 1750 | 3.4 | TU | 1225 | .9 |
| LU | 2350 | 1.3 | MA | 1905 | 3.8 |
| 15 | 0605 | 3.4 | 30 | 0055 | 1.0 |
| | 1210 | .9 | | 0720 | 3.8 |
| TU | 1845 | 3.7 | WE | 1315 | .7 |
| MA | | | ME | 1950 | 4.0 |
| | | | 31 | 0140 | .8 |
| | | | | 0805 | 4.0 |
| | | | TH | 1355 | .6 |
| | | | JE | 2030 | 4.1 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0215 | .7 | 16 | 0130 | .3 |
| | 0840 | 4.1 | | 0800 | 4.3 |
| FR | 1430 | .5 | SA | 1350 | .1 |
| VE | 2100 | 4.1 | SA | 2025 | 4.5 |
| 2 | 0245 | .6 | 17 | 0210 | .1 |
| | 0910 | 4.1 | | 0840 | 4.5 |
| SA | 1500 | .5 | SU | 1430 | .0 |
| SA | 2130 | 4.1 | DI | 2105 | 4.6 |
| 3 | 0315 | .5 | 18 | 0250 | .0 |
| | 0940 | 4.0 | | 0930 | 4.5 |
| SU | 1525 | .5 | MO | 1510 | −.1 |
| DI | 2150 | 4.1 | LU | 2150 | 4.6 |
| 4 | 0340 | .5 | 19 | 0335 | −.1 |
| | 1005 | 4.0 | | 1015 | 4.5 |
| MO | 1550 | .6 | TU | 1550 | .1 |
| LU | 2215 | 4.0 | MA | 2235 | 4.5 |
| 5 | 0410 | .6 | 20 | 0420 | .1 |
| | 1030 | 3.9 | | 1100 | 4.3 |
| TU | 1620 | .7 | WE | 1635 | .3 |
| MA | 2240 | 3.9 | ME | 2320 | 4.4 |
| 6 | 0440 | .7 | 21 | 0505 | .3 |
| | 1100 | 3.7 | | 1150 | 4.1 |
| WE | 1650 | .9 | TH | 1730 | .6 |
| ME | 2310 | 3.8 | JE | | |
| 7 | 0510 | .8 | 22 | 0010 | 4.1 |
| | 1135 | 3.6 | | 0600 | .6 |
| TH | 1725 | 1.1 | FR | 1245 | 3.8 |
| JE | 2345 | 3.6 | VE | 1825 | 1.0 |
| 8 | 0550 | 1.0 | 23 | 0105 | 3.7 |
| | 1220 | 3.4 | | 0705 | .9 |
| FR | 1805 | 1.3 | SA | 1350 | 3.6 |
| VE | | | SA | 1940 | 1.3 |
| 9 | 0030 | 3.4 | 24 | 0215 | 3.4 |
| | 0640 | 1.2 | | 0825 | 1.2 |
| SA | 1315 | 3.2 | SU | 1510 | 3.4 |
| SA | 1910 | 1.5 | DI | 2115 | 1.5 |
| 10 | 0130 | 3.1 | 25 | 0345 | 3.3 |
| | 0750 | 1.4 | | 0955 | 1.3 |
| SU | 1435 | 3.1 | MO | 1635 | 3.5 |
| DI | 2040 | 1.6 | LU | 2245 | 1.4 |
| 11 | 0300 | 3.0 | 26 | 0510 | 3.4 |
| | 0920 | 1.4 | | 1115 | 1.2 |
| MO | 1600 | 3.2 | TU | 1750 | 3.7 |
| LU | 2210 | 1.5 | MA | 2350 | 1.2 |
| 12 | 0430 | 3.2 | 27 | 0615 | 3.7 |
| | 1040 | 1.2 | | 1215 | 1.0 |
| TU | 1715 | 3.4 | WE | 1845 | 3.9 |
| MA | 2315 | 1.3 | ME | | |
| 13 | 0535 | 3.5 | 28 | 0040 | 1.0 |
| | 1140 | .9 | | 0700 | 3.8 |
| WE | 1810 | 3.7 | TH | 1300 | .8 |
| ME | | | JE | 1925 | 4.0 |
| 14 | 0005 | .9 | 29 | 0120 | .8 |
| | 0630 | 3.8 | | 0740 | 4.0 |
| TH | 1230 | .6 | FR | 1335 | .7 |
| JE | 1900 | 4.0 | VE | 2000 | 4.1 |
| 15 | 0050 | .6 | 30 | 0150 | .7 |
| | 0715 | 4.1 | | 0815 | 4.1 |
| FR | 1310 | .3 | SA | 1405 | .6 |
| VE | 1940 | 4.3 | SA | 2025 | 4.1 |

**METRES**

## TABLE DES MARÉES

# CHURCHILL (

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0220 | .6 | 16 | 0150 | .0 |
| | 0840 | 4.1 | | 0820 | 4.5 |
| SU | 1430 | .6 | MO | 1405 | .0 |
| DI | 2050 | 4.1 | LU | 2035 | 4.7 |
| 2 | 0245 | .5 | 17 | 0230 | −.1 |
| | 0910 | 4.0 | | 0910 | 4.6 |
| MO | 1455 | .6 | TU | 1450 | .0 |
| LU | 2115 | 4.1 | MA | 2125 | 4.7 |
| 3 | 0310 | .5 | 18 | 0315 | −.1 |
| | 0935 | 4.0 | | 0955 | 4.5 |
| TU | 1520 | .7 | WE | 1535 | .2 |
| MA | 2140 | 4.0 | ME | 2210 | 4.6 |
| 4 | 0335 | .5 | 19 | 0400 | .0 |
| | 1000 | 3.9 | | 1045 | 4.4 |
| WE | 1545 | .8 | TH | 1620 | .4 |
| ME | 2205 | 3.9 | JE | 2300 | 4.3 |
| 5 | 0405 | .6 | 20 | 0450 | .3 |
| | 1035 | 3.8 | | 1135 | 4.2 |
| TH | 1615 | .9 | FR | 1710 | .7 |
| JE | 2235 | 3.7 | VE | 2350 | 4.1 |
| 6 | 0435 | .8 | 21 | 0540 | .6 |
| | 1110 | 3.7 | | 1230 | 3.9 |
| FR | 1655 | 1.1 | SA | 1810 | 1.1 |
| VE | 2310 | 3.6 | SA | | |
| 7 | 0515 | .9 | 22 | 0045 | 3.7 |
| | 1150 | 3.5 | | 0645 | 1.0 |
| SA | 1740 | 1.2 | SU | 1330 | 3.7 |
| SA | | | DI | 1920 | 1.4 |
| 8 | 0000 | 3.4 | 23 | 0155 | 3.4 |
| | 0605 | 1.1 | | 0800 | 1.2 |
| SU | 1250 | 3.4 | MO | 1445 | 3.5 |
| DI | 1845 | 1.4 | LU | 2050 | 1.5 |
| 9 | 0105 | 3.2 | 24 | 0320 | 3.4 |
| | 0720 | 1.3 | | 0925 | 1.3 |
| MO | 1400 | 3.3 | TU | 1605 | 3.6 |
| LU | 2005 | 1.5 | MA | 2215 | 1.4 |
| 10 | 0230 | 3.2 | 25 | 0440 | 3.4 |
| | 0840 | 1.3 | | 1040 | 1.2 |
| TU | 1520 | 3.4 | WE | 1710 | 3.7 |
| MA | 2125 | 1.4 | ME | 2320 | 1.2 |
| 11 | 0350 | 3.3 | 26 | 0540 | 3.7 |
| | 1000 | 1.2 | | 1140 | 1.1 |
| WE | 1635 | 3.6 | TH | 1805 | 3.8 |
| ME | 2235 | 1.2 | JE | | |
| 12 | 0500 | 3.6 | 27 | 0005 | 1.0 |
| | 1105 | .9 | | 0625 | 3.8 |
| TH | 1730 | 3.9 | FR | 1225 | .9 |
| JE | 2335 | .9 | VE | 1845 | 4.0 |
| 13 | 0555 | 3.9 | 28 | 0045 | .8 |
| | 1155 | .6 | | 0705 | 4.0 |
| FR | 1820 | 4.1 | SA | 1300 | .8 |
| VE | | | SA | 1920 | 4.1 |
| 14 | 0020 | .5 | 29 | 0120 | .7 |
| | 0645 | 4.2 | | 0740 | 4.0 |
| SA | 1240 | .4 | SU | 1335 | .8 |
| SA | 1905 | 4.4 | DI | 1950 | 4.1 |
| 15 | 0105 | .2 | 30 | 0150 | .8 |
| | 0730 | 4.4 | | 0810 | 4.0 |
| SU | 1325 | .2 | MO | 1405 | .8 |
| DI | 1950 | 4.6 | LU | 2015 | 4.1 |
| | | | 31 | 0220 | .5 |
| | | | | 0840 | 4.0 |
| | | | TU | 1430 | .8 |
| | | | MA | 2045 | 4.0 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0245 | .5 | 16 | 0300 | −.1 |
| | 0910 | 4.0 | | 0940 | 4.5 |
| WE | 1455 | .8 | TH | 1520 | .3 |
| ME | 2115 | 4.0 | JE | 2150 | 4.5 |
| 2 | 0310 | .6 | 17 | 0345 | .1 |
| | 0945 | 3.9 | | 1030 | 4.4 |
| TH | 1525 | .9 | FR | 1605 | .5 |
| JE | 2145 | 3.9 | VE | 2240 | 4.3 |
| 3 | 0340 | .6 | 18 | 0435 | .3 |
| | 1015 | 3.8 | | 1120 | 4.2 |
| FR | 1600 | .9 | SA | 1700 | .7 |
| VE | 2220 | 3.8 | SA | 2330 | 4.1 |
| 4 | 0415 | .7 | 19 | 0525 | .6 |
| | 1055 | 3.8 | | 1210 | 4.0 |
| SA | 1640 | 1.0 | SU | 1755 | 1.0 |
| SA | 2300 | 3.7 | DI | | |
| 5 | 0500 | .8 | 20 | 0025 | 3.8 |
| | 1140 | 3.7 | | 0820 | .9 |
| SU | 1725 | 1.1 | MO | 1305 | 3.8 |
| DI | 2350 | 3.6 | LU | 1855 | 1.2 |
| 6 | 0550 | 1.0 | 21 | 0130 | 3.6 |
| | 1235 | 3.6 | | 0725 | 1.2 |
| MO | 1825 | 1.2 | TU | 1410 | 3.7 |
| LU | | | MA | 2005 | 1.4 |
| 7 | 0050 | 3.4 | 22 | 0240 | 3.4 |
| | 0655 | 1.1 | | 0840 | 1.3 |
| TU | 1335 | 3.6 | WE | 1515 | 3.6 |
| MA | 1935 | 1.3 | ME | 2125 | 1.4 |
| 8 | 0200 | 3.4 | 23 | 0350 | 3.4 |
| | 0805 | 1.1 | | 0950 | 1.3 |
| WE | 1445 | 3.6 | TH | 1615 | 3.7 |
| ME | 2045 | 1.2 | JE | 2230 | 1.2 |
| 9 | 0310 | 3.5 | 24 | 0450 | 3.6 |
| | 0920 | 1.1 | | 1050 | 1.2 |
| TH | 1550 | 3.7 | FR | 1710 | 3.7 |
| JE | 2155 | 1.0 | VE | 2320 | 1.1 |
| 10 | 0420 | 3.7 | 25 | 0540 | 3.7 |
| | 1025 | .9 | | 1140 | 1.1 |
| FR | 1650 | 4.0 | SA | 1755 | 3.8 |
| VE | 2300 | .8 | SA | | |
| 11 | 0520 | 4.0 | 26 | 0005 | .9 |
| | 1120 | .7 | | 0625 | 3.8 |
| SA | 1745 | 4.2 | SU | 1225 | 1.0 |
| SA | 2350 | .5 | DI | 1835 | 3.9 |
| 12 | 0615 | 4.2 | 27 | 0045 | .8 |
| | 1215 | .5 | | 0705 | 3.9 |
| SU | 1835 | 4.4 | MO | 1305 | .9 |
| DI | | | LU | 1915 | 3.9 |
| 13 | 0040 | .2 | 28 | 0120 | .7 |
| | 0710 | 4.4 | | 0745 | 3.9 |
| MO | 1300 | .3 | TU | 1340 | .9 |
| LU | 1925 | 4.5 | MA | 1950 | 3.9 |
| 14 | 0125 | .0 | 29 | 0155 | .6 |
| | 0800 | 4.5 | | 0820 | 3.9 |
| TU | 1345 | .2 | WE | 1410 | .9 |
| MA | 2015 | 4.6 | ME | 2025 | 3.9 |
| 15 | 0215 | −.1 | 30 | 0225 | .6 |
| | 0850 | 4.6 | | 0855 | 3.9 |
| WE | 1435 | .2 | TH | 1440 | .9 |
| ME | 2105 | 4.6 | JE | 2100 | 3.9 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0255 | .6 | 16 | 0335 | .2 |
| | 0930 | 3.9 | | 1015 | 4.4 |
| FR | 1515 | .9 | SA | 1555 | .5 |
| VE | 2135 | 3.9 | SA | 2225 | 4.2 |
| 2 | 0330 | .6 | 17 | 0420 | .3 |
| | 1005 | 3.9 | | 1100 | 4.2 |
| SA | 1550 | .8 | SU | 1640 | .7 |
| SA | 2215 | 3.9 | DI | 2315 | 4.1 |
| 3 | 0405 | .6 | 18 | 0505 | .5 |
| | 1045 | 3.9 | | 1150 | 4.1 |
| SU | 1630 | .8 | MO | 1730 | .9 |
| DI | 2255 | 3.8 | LU | | |
| 4 | 0450 | .6 | 19 | 0000 | 3.8 |
| | 1130 | 3.9 | | 0555 | .8 |
| MO | 1715 | .9 | TU | 1235 | 3.9 |
| LU | 2340 | 3.8 | MA | 1820 | 1.0 |
| 5 | 0535 | .7 | 20 | 0050 | 3.7 |
| | 1215 | 3.9 | | 0645 | 1.0 |
| TU | 1805 | .9 | WE | 1320 | 3.8 |
| MA | | | ME | 1915 | 1.2 |
| 6 | 0030 | 3.7 | 21 | 0145 | 3.5 |
| | 0630 | .8 | | 0740 | 1.2 |
| WE | 1310 | 3.8 | TH | 1415 | 3.6 |
| ME | 1905 | 1.0 | JE | 2020 | 1.2 |
| 7 | 0130 | 3.7 | 22 | 0245 | 3.4 |
| | 0730 | .9 | | 0845 | 1.3 |
| TH | 1410 | 3.8 | FR | 1510 | 3.6 |
| JE | 2010 | 1.0 | VE | 2125 | 1.2 |
| 8 | 0235 | 3.7 | 23 | 0345 | 3.4 |
| | 0840 | .9 | | 0950 | 1.4 |
| FR | 1510 | 3.8 | SA | 1605 | 3.5 |
| VE | 2120 | .9 | SA | 2230 | 1.2 |
| 9 | 0345 | 3.7 | 24 | 0450 | 3.4 |
| | 0945 | .9 | | 1055 | 1.3 |
| SA | 1610 | 3.9 | SU | 1705 | 3.5 |
| SA | 2225 | .7 | DI | 2325 | 1.0 |
| 10 | 0450 | 3.9 | 25 | 0545 | 3.5 |
| | 1055 | .8 | | 1150 | 1.2 |
| SU | 1710 | 4.1 | MO | 1755 | 3.6 |
| DI | 2325 | .5 | LU | | |
| 11 | 0555 | 4.1 | 26 | 0015 | .9 |
| | 1150 | .6 | | 0640 | 3.6 |
| MO | 1810 | 4.2 | TU | 1235 | 1.1 |
| LU | | | MA | 1845 | 3.7 |
| 12 | 0020 | .3 | 27 | 0055 | .8 |
| | 0655 | 4.2 | | 0720 | 3.7 |
| TU | 1245 | .5 | WE | 1315 | 1.0 |
| MA | 1905 | 4.3 | ME | 1930 | 3.7 |
| 13 | 0110 | .1 | 28 | 0135 | .7 |
| | 0745 | 4.4 | | 0805 | 3.8 |
| WE | 1335 | .4 | TH | 1350 | .9 |
| ME | 2000 | 4.4 | JE | 2010 | 3.8 |
| 14 | 0200 | .0 | 29 | 0210 | .8 |
| | 0840 | 4.5 | | 0840 | 3.9 |
| TH | 1420 | .3 | FR | 1425 | .8 |
| JE | 2050 | 4.4 | VE | 2050 | 3.9 |
| 15 | 0245 | .0 | 30 | 0245 | .5 |
| | 0930 | 4.5 | | 0920 | 4.0 |
| FR | 1510 | .4 | SA | 1500 | .7 |
| VE | 2140 | 4.4 | SA | 2125 | 4.0 |
| | | | 31 | 0320 | .4 |
| | | | | 0955 | 4.1 |
| | | | SU | 1535 | .6 |
| | | | DI | 2205 | 4.0 |

**METRES**

# HALL BEACH (EST)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0135 | 1.0 | 16 | 0205 | .9 |
| | 0940 | .3 | | 0910 | .2 |
| SU | 1640 | .8 | MO | 1555 | .9 |
| DI | 2115 | .7 | LU | 2255 | .6 |
| 2 | 0205 | .9 | 17 | 0305 | .8 |
| | 1010 | .3 | | 0950 | .2 |
| MO | 1725 | .9 | TU | 1715 | 1.1 |
| LU | 2320 | .7 | MA | | |
| 3 | 0205 | .8 | 18 | 0130 | .5 |
| | 1035 | .3 | | 0410 | .7 |
| TU | 1805 | 1.0 | WE | 1035 | .2 |
| MA | | | ME | 1810 | 1.2 |
| 4 | 1100 | .3 | 19 | 0250 | .5 |
| | 1835 | 1.1 | | 0520 | .6 |
| WE | | | TH | 1120 | .2 |
| ME | | | JE | 1855 | 1.2 |
| 5 | 1120 | .2 | 20 | 0350 | .4 |
| | 1855 | 1.2 | | 0625 | .5 |
| TH | | | FR | 1205 | .2 |
| JE | | | VE | 1930 | 1.3 |
| 6 | 0430 | .5 | 21 | 0440 | .4 |
| | 0545 | .5 | | 0720 | .5 |
| FR | 1155 | .2 | SA | 1245 | .2 |
| VE | 1925 | 1.3 | SA | 2005 | 1.3 |
| 7 | 0500 | .5 | 22 | 0525 | .4 |
| | 0650 | .5 | | 0805 | .5 |
| SA | 1235 | .2 | SU | 1325 | .3 |
| SA | 2000 | 1.4 | DI | 2040 | 1.3 |
| 8 | 0535 | .5 | 23 | 0605 | .4 |
| | 0745 | .5 | | 0850 | .6 |
| SU | 1315 | .2 | MO | 1410 | .3 |
| DI | 2035 | 1.4 | LU | 2115 | 1.3 |
| 9 | 0615 | .4 | 24 | 0640 | .4 |
| | 0835 | .6 | | 0935 | .6 |
| MO | 1355 | .2 | TU | 1450 | .3 |
| LU | 2115 | 1.5 | MA | 2150 | 1.3 |
| 10 | 0650 | .4 | 25 | 0705 | .4 |
| | 0925 | .6 | | 1015 | .7 |
| TU | 1445 | .2 | WE | 1535 | .4 |
| MA | 2200 | 1.4 | ME | 2225 | 1.3 |
| 11 | 0725 | .4 | 26 | 0720 | .4 |
| | 1015 | .6 | | 1100 | .7 |
| WE | 1535 | .2 | TH | 1625 | .4 |
| ME | 2245 | 1.4 | JE | 2300 | 1.2 |
| 12 | 0755 | .3 | 27 | 0720 | .4 |
| | 1110 | .7 | | 1145 | .8 |
| TH | 1630 | .3 | FR | 1715 | .5 |
| JE | 2330 | 1.3 | VE | 2340 | 1.1 |
| 13 | 0825 | .3 | 28 | 0735 | .3 |
| | 1205 | .7 | | 1235 | .8 |
| FR | 1735 | .4 | SA | 1810 | .6 |
| VE | | | SA | | |
| 14 | 0015 | 1.2 | 29 | 0010 | 1.0 |
| | 0840 | .3 | | 0755 | .3 |
| SA | 1310 | .8 | SU | 1330 | .9 |
| SA | 1850 | .5 | DI | 1910 | .6 |
| 15 | 0110 | 1.1 | 30 | 0040 | .9 |
| | 0845 | .2 | | 0815 | .3 |
| SU | 1425 | .9 | MO | 1500 | .9 |
| DI | 2020 | .5 | LU | 2130 | .7 |
| | | | 31 | 0105 | .8 |
| | | | | 0815 | .3 |
| | | | TU | 1630 | 1.0 |
| | | | MA | | |

### FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0835 | .3 | 16 | 0130 | .5 |
| | 1720 | 1.0 | | 0355 | .5 |
| WE | | | TH | 0950 | .3 |
| ME | | | JE | 1755 | 1.2 |
| 2 | 0915 | .3 | 17 | 0240 | .4 |
| | 1800 | 1.1 | | 0550 | .5 |
| TH | | | FR | 1055 | .4 |
| JE | | | VE | 1850 | 1.2 |
| 3 | 1015 | .3 | 18 | 0330 | .4 |
| | 1830 | 1.2 | | 0710 | .5 |
| FR | | | SA | 1150 | .4 |
| VE | | | SA | 1925 | 1.2 |
| 4 | 0415 | .5 | 19 | 0415 | .3 |
| | 0525 | .5 | | 0745 | .6 |
| SA | 1115 | .2 | SU | 1240 | .4 |
| SA | 1905 | 1.3 | DI | 1955 | 1.2 |
| 5 | 0435 | .5 | 20 | 0455 | .4 |
| | 0640 | .5 | | 0810 | .6 |
| SU | 1210 | .2 | MO | 1325 | .3 |
| DI | 1940 | 1.3 | LU | 2025 | 1.2 |
| 6 | 0505 | .4 | 21 | 0530 | .4 |
| | 0735 | .6 | | 0840 | .7 |
| MO | 1300 | .2 | TU | 1405 | .4 |
| LU | 2020 | 1.4 | MA | 2050 | 1.2 |
| 7 | 0540 | .4 | 22 | 0550 | .4 |
| | 0825 | .6 | | 0915 | .8 |
| TU | 1350 | .2 | WE | 1450 | .4 |
| MA | 2055 | 1.4 | ME | 2125 | 1.2 |
| 8 | 0610 | .4 | 23 | 0545 | .4 |
| | 0910 | .7 | | 0950 | .9 |
| WE | 1435 | .2 | TH | 1530 | .4 |
| ME | 2135 | 1.3 | JE | 2155 | 1.2 |
| 9 | 0640 | .4 | 24 | 0500 | .4 |
| | 1000 | .8 | | 1025 | .9 |
| TH | 1530 | .3 | FR | 1620 | .5 |
| JE | 2220 | 1.3 | VE | 2225 | 1.1 |
| 10 | 0700 | .4 | 25 | 0530 | .4 |
| | 1045 | .9 | | 1100 | .9 |
| FR | 1630 | .4 | SA | 1710 | .5 |
| VE | 2305 | 1.2 | SA | 2300 | 1.0 |
| 11 | 0610 | .3 | 26 | 0555 | .4 |
| | 1140 | .9 | | 1140 | 1.0 |
| SA | 1735 | .5 | SU | 1820 | .6 |
| SA | 2350 | 1.1 | DI | 2335 | .9 |
| 12 | 0640 | .3 | 27 | 0610 | .4 |
| | 1235 | 1.0 | | 1225 | 1.0 |
| SU | 1900 | .5 | MO | 2025 | .6 |
| DI | | | LU | | |
| 13 | 0040 | .9 | 28 | 0005 | .8 |
| | 0720 | .3 | | 0635 | .4 |
| MO | 1340 | 1.0 | TU | 1320 | 1.1 |
| LU | 2120 | .6 | MA | 2200 | .7 |
| 14 | 0130 | .8 | | | |
| | 0805 | .3 | | | |
| TU | 1505 | 1.1 | | | |
| MA | 2350 | .5 | | | |
| 15 | 0235 | .7 | | | |
| | 0850 | .3 | | | |
| WE | 1640 | 1.1 | | | |
| ME | | | | | |

### MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0030 | .7 | 16 | 0225 | .6 |
| | 0700 | .3 | | 0750 | .4 |
| WE | 1420 | 1.1 | TH | 1555 | 1.2 |
| ME | | | JE | | |
| 2 | 0015 | .6 | 17 | 0110 | .4 |
| | 0035 | .6 | | 0515 | .5 |
| TH | 0740 | .3 | FR | 0910 | .5 |
| JE | 1540 | 1.1 | VE | 1725 | 1.2 |
| 3 | 0830 | .3 | 18 | 0210 | .3 |
| | 1700 | 1.2 | | 0650 | .5 |
| FR | | | SA | 1040 | .5 |
| VE | | | SA | 1825 | 1.2 |
| 4 | 0935 | .3 | 19 | 0300 | .3 |
| | 1755 | 1.2 | | 0735 | .6 |
| SA | | | SU | 1145 | .5 |
| SA | | | DI | 1905 | 1.1 |
| 5 | 0315 | .5 | 20 | 0340 | .3 |
| | 0540 | .5 | | 0750 | .7 |
| SU | 1055 | .3 | MO | 1240 | .4 |
| DI | 1835 | 1.2 | LU | 1930 | 1.1 |
| 6 | 0345 | .4 | 21 | 0410 | .4 |
| | 0640 | .6 | | 0800 | .8 |
| MO | 1200 | .2 | TU | 1325 | .4 |
| LU | 1915 | 1.2 | MA | 1955 | 1.1 |
| 7 | 0415 | .4 | 22 | 0430 | .4 |
| | 0730 | .7 | | 0820 | .9 |
| TU | 1255 | .2 | WE | 1405 | .4 |
| MA | 1955 | 1.2 | ME | 2020 | 1.1 |
| 8 | 0445 | .4 | 23 | 0255 | .4 |
| | 0810 | .8 | | 0650 | .9 |
| WE | 1345 | .2 | TH | 1445 | .5 |
| ME | 2035 | 1.2 | JE | 2050 | 1.0 |
| 9 | 0300 | .4 | 24 | 0315 | .4 |
| | 0855 | .9 | | 0920 | 1.0 |
| TH | 1435 | .3 | FR | 1530 | .5 |
| JE | 2115 | 1.2 | VE | 2120 | 1.0 |
| 10 | 0325 | .3 | 25 | 0340 | .3 |
| | 0935 | 1.0 | | 0950 | 1.1 |
| FR | 1525 | .3 | SA | 1620 | .5 |
| VE | 2155 | 1.1 | SA | 2155 | .9 |
| 11 | 0405 | .3 | 26 | 0410 | .3 |
| | 1020 | 1.1 | | 1025 | 1.1 |
| SA | 1625 | .4 | SU | 1830 | .6 |
| SA | 2235 | 1.0 | DI | 2225 | .9 |
| 12 | 0445 | .3 | 27 | 0435 | .4 |
| | 1110 | 1.1 | | 1105 | 1.2 |
| SU | 1745 | .5 | MO | 1950 | .6 |
| DI | 2320 | .9 | LU | 2300 | .8 |
| 13 | 0530 | .3 | 28 | 0505 | .4 |
| | 1200 | 1.2 | | 1145 | 1.2 |
| MO | 2030 | .5 | TU | 2050 | .6 |
| LU | | | MA | 2340 | .7 |
| 14 | 0010 | .8 | 29 | 0540 | .4 |
| | 0615 | .3 | | 1235 | 1.2 |
| TU | 1300 | 1.2 | WE | 2200 | .5 |
| MA | 2200 | .5 | ME | | |
| 15 | 0110 | .7 | 30 | 0015 | .6 |
| | 0655 | .4 | | 0615 | .3 |
| WE | 1420 | 1.2 | TH | 1335 | 1.2 |
| ME | 2345 | .5 | JE | 2320 | .5 |
| | | | 31 | 0105 | .5 |
| | | | | 0700 | .3 |
| | | | FR | 1445 | 1.2 |
| | | | VE | | |

**METRES**

## TABLE DES MARÉES

# HALL BEACH (INE 2+5)

1989

**APRIL-AVRIL**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0035 | .5 | 16 | 0125 | .3 |
| | 0225 | .5 | | 0635 | .6 |
| SA | 0800 | .3 | SU | 1025 | .6 |
| SA | 1600 | 1.2 | DI | 1740 | 1.1 |
| 2 | 0125 | .4 | 17 | 0210 | .3 |
| | 0420 | .5 | | 0710 | .7 |
| SU | 0915 | .4 | MO | 1140 | .5 |
| DI | 1710 | 1.2 | LU | 1820 | 1.0 |
| 3 | 0205 | .4 | 18 | 0240 | .3 |
| | 0545 | .6 | | 0725 | .8 |
| MO | 1045 | .4 | TU | 1235 | .5 |
| LU | 1800 | 1.1 | MA | 1855 | .9 |
| 4 | 0235 | .4 | 19 | 0140 | .4 |
| | 0635 | .7 | | 0740 | .9 |
| TU | 1155 | .3 | WE | 1320 | .5 |
| MA | 1845 | 1.1 | ME | 1920 | .9 |
| 5 | 0135 | .3 | 20 | 0145 | .3 |
| | 0715 | .8 | | 0800 | 1.0 |
| WE | 1255 | .3 | TH | 1405 | .5 |
| ME | 1925 | 1.1 | JE | 1945 | .9 |
| 6 | 0140 | .3 | 21 | 0205 | .3 |
| | 0755 | 1.0 | | 0820 | 1.1 |
| TH | 1345 | .3 | FR | 1450 | .5 |
| JE | 2005 | 1.1 | VE | 2015 | .9 |
| 7 | 0210 | .2 | 22 | 0225 | .3 |
| | 0835 | 1.1 | | 0850 | 1.2 |
| FR | 1430 | .4 | SA | 1725 | .5 |
| VE | 2045 | 1.0 | SA | 2045 | .8 |
| 8 | 0240 | .2 | 23 | 0245 | .3 |
| | 0915 | 1.2 | | 0920 | 1.2 |
| SA | 1525 | .4 | SU | 1820 | .5 |
| SA | 2125 | .9 | DI | 2120 | .8 |
| 9 | 0315 | .2 | 24 | 0315 | .3 |
| | 0955 | 1.3 | | 0955 | 1.3 |
| SU | 1735 | .5 | MO | 1910 | .5 |
| DI | 2210 | .9 | LU | 2155 | .7 |
| 10 | 0355 | .2 | 25 | 0345 | .3 |
| | 1040 | 1.3 | | 1035 | 1.3 |
| MO | 1950 | .5 | TU | 2000 | .5 |
| LU | 2255 | .8 | MA | 2235 | .6 |
| 11 | 0435 | .3 | 26 | 0420 | .3 |
| | 1130 | 1.3 | | 1120 | 1.3 |
| TU | 2050 | .5 | WE | 2050 | .5 |
| MA | 2350 | .7 | ME | 2320 | .6 |
| 12 | 0520 | .3 | 27 | 0500 | .3 |
| | 1230 | 1.3 | | 1210 | 1.3 |
| WE | 2200 | .4 | TH | 2145 | .5 |
| ME | | | JE | | |
| 13 | 0100 | .6 | 28 | 0015 | .5 |
| | 0605 | .4 | | 0545 | .4 |
| TH | 1340 | 1.2 | FR | 1305 | 1.3 |
| JE | 2320 | .4 | VE | 2240 | .4 |
| 14 | 0345 | .5 | 29 | 0120 | .5 |
| | 0650 | .5 | | 0640 | .4 |
| FR | 1510 | 1.2 | SA | 1405 | 1.2 |
| VE | | | SA | 2330 | .4 |
| 15 | 0030 | .4 | 30 | 0245 | .5 |
| | 0525 | .6 | | 0740 | .4 |
| SA | 0840 | .5 | SU | 1515 | 1.2 |
| SA | 1635 | 1.1 | DI | | |

**MAY-MAI**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0015 | .3 | 16 | 0035 | .3 |
| | 0430 | .6 | | 0630 | .8 |
| MO | 0905 | .4 | TU | 1120 | .6 |
| LU | 1620 | 1.1 | MA | 1730 | .9 |
| 2 | 0035 | .3 | 17 | 0020 | .3 |
| | 0535 | .7 | | 0655 | .9 |
| TU | 1040 | .4 | WE | 1235 | .6 |
| MA | 1720 | 1.0 | ME | 1805 | .8 |
| 3 | 0025 | .3 | 18 | 0035 | .3 |
| | 0620 | .8 | | 0715 | 1.0 |
| WE | 1155 | .4 | TH | 1535 | .6 |
| ME | 1810 | 1.0 | JE | 1835 | .8 |
| 4 | 0035 | .2 | 19 | 0100 | .3 |
| | 0700 | 1.0 | | 0735 | 1.1 |
| TH | 1255 | .4 | FR | 1620 | .6 |
| JE | 1855 | .9 | VE | 1905 | .7 |
| 5 | 0100 | .2 | 20 | 0120 | .3 |
| | 0735 | 1.1 | | 0755 | 1.2 |
| FR | 1345 | .5 | SA | 1705 | .5 |
| VE | 1940 | .9 | SA | 1940 | .7 |
| 6 | 0130 | .2 | 21 | 0140 | .2 |
| | 0815 | 1.2 | | 0825 | 1.2 |
| SA | 1715 | .5 | SU | 1745 | .5 |
| SA | 2020 | .8 | DI | 2015 | .7 |
| 7 | 0205 | .2 | 22 | 0205 | .2 |
| | 0855 | 1.3 | | 0855 | 1.3 |
| SU | 1810 | .5 | MO | 1825 | .5 |
| DI | 2100 | .8 | LU | 2050 | .6 |
| 8 | 0240 | .2 | 23 | 0230 | .3 |
| | 0935 | 1.4 | | 0935 | 1.4 |
| MO | 1900 | .5 | TU | 1910 | .5 |
| LU | 2145 | .7 | MA | 2135 | .6 |
| 9 | 0320 | .2 | 24 | 0305 | .3 |
| | 1020 | 1.4 | | 1015 | 1.4 |
| TU | 1955 | .4 | WE | 1955 | .4 |
| MA | 2235 | .6 | ME | 2220 | .6 |
| 10 | 0400 | .3 | 25 | 0350 | .3 |
| | 1110 | 1.4 | | 1100 | 1.4 |
| WE | 2050 | .4 | TH | 2040 | .4 |
| ME | 2335 | .6 | JE | 2310 | .5 |
| 11 | 0440 | .4 | 26 | 0435 | .3 |
| | 1205 | 1.3 | | 1150 | 1.4 |
| TH | 2145 | .4 | FR | 2120 | .4 |
| JE | | | VE | | |
| 12 | 0105 | .5 | 27 | 0010 | .5 |
| | 0530 | .5 | | 0525 | .3 |
| FR | 1305 | 1.2 | SA | 1240 | 1.3 |
| VE | 2240 | .3 | SA | 2200 | .3 |
| 13 | 0335 | .6 | 28 | 0120 | .5 |
| | 0625 | .5 | | 0625 | .4 |
| SA | 1420 | 1.2 | SU | 1335 | 1.2 |
| SA | 2335 | .3 | DI | 2235 | .3 |
| 14 | 0450 | .6 | 29 | 0240 | .6 |
| | 0815 | .6 | | 0735 | .4 |
| SU | 1535 | 1.1 | MO | 1435 | 1.1 |
| DI | | | LU | 2300 | .3 |
| 15 | 0015 | .3 | 30 | 0410 | .7 |
| | 0550 | .7 | | 0900 | .5 |
| MO | 1000 | .6 | TU | 1540 | 1.0 |
| LU | 1640 | 1.0 | MA | 2310 | .2 |
| | | | 31 | 0520 | .8 |
| | | | | 1035 | .5 |
| | | | WE | 1640 | .9 |
| | | | ME | 2330 | .2 |

**JUNE-JUIN**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0605 | 1.0 | 16 | 0655 | 1.0 |
| | 1205 | .5 | | 1545 | .6 |
| TH | 1735 | .8 | FR | 1740 | .6 |
| JE | 2355 | .2 | VE | | |
| 2 | 0645 | 1.1 | 17 | 0015 | .3 |
| | 1520 | .5 | | 0715 | 1.1 |
| FR | 1825 | .8 | SA | 1630 | .5 |
| VE | | | SA | 1820 | .6 |
| 3 | 0025 | .1 | 18 | 0035 | .2 |
| | 0720 | 1.2 | | 0740 | 1.2 |
| SA | 1625 | .5 | SU | 1705 | .5 |
| SA | 1910 | .7 | DI | 1900 | .6 |
| 4 | 0100 | .1 | 19 | 0100 | .2 |
| | 0800 | 1.3 | | 0805 | 1.3 |
| SU | 1720 | .5 | MO | 1740 | .5 |
| DI | 1955 | .7 | LU | 1945 | .6 |
| 5 | 0135 | .2 | 20 | 0125 | .2 |
| | 0840 | 1.4 | | 0840 | 1.4 |
| MO | 1810 | .4 | TU | 1820 | .5 |
| LU | 2045 | .6 | MA | 2030 | .6 |
| 6 | 0210 | .2 | 21 | 0200 | .2 |
| | 0920 | 1.4 | | 0915 | 1.4 |
| TU | 1900 | .4 | WE | 1855 | .4 |
| MA | 2130 | .6 | ME | 2120 | .5 |
| 7 | 0250 | .2 | 22 | 0240 | .2 |
| | 1005 | 1.4 | | 1000 | 1.4 |
| WE | 1945 | .4 | TH | 1935 | .4 |
| ME | 2225 | .6 | JE | 2210 | .5 |
| 8 | 0335 | .3 | 23 | 0325 | .3 |
| | 1050 | 1.4 | | 1040 | 1.4 |
| TH | 2030 | .4 | FR | 2010 | .3 |
| JE | 2325 | .6 | VE | 2300 | .6 |
| 9 | 0420 | .4 | 24 | 0415 | .3 |
| | 1140 | 1.3 | | 1125 | 1.4 |
| FR | 2110 | .3 | SA | 2045 | .3 |
| VE | | | SA | | |
| 10 | 0045 | .6 | 25 | 0000 | .6 |
| | 0515 | .5 | | 0515 | .4 |
| SA | 1235 | 1.2 | SU | 1215 | 1.3 |
| SA | 2145 | .3 | DI | 2110 | .3 |
| 11 | 0250 | .6 | 26 | 0100 | .6 |
| | 0620 | .5 | | 0620 | .4 |
| SU | 1330 | 1.2 | MO | 1305 | 1.2 |
| DI | 2205 | .3 | LU | 2130 | .3 |
| 12 | 0405 | .7 | 27 | 0210 | .7 |
| | 0745 | .6 | | 0730 | .5 |
| MO | 1420 | 1.0 | TU | 1400 | 1.1 |
| LU | 2225 | .3 | MA | 2140 | .2 |
| 13 | 0500 | .8 | 28 | 0335 | .8 |
| | 0930 | .7 | | 0900 | .6 |
| TU | 1515 | .9 | WE | 1500 | .9 |
| MA | 2250 | .3 | ME | 2205 | .2 |
| 14 | 0550 | .9 | 29 | 0455 | .9 |
| | 1105 | .7 | | 1100 | .6 |
| WE | 1610 | .8 | TH | 1600 | .8 |
| ME | 2320 | .3 | JE | 2240 | .2 |
| 15 | 0625 | .9 | 30 | 0550 | 1.1 |
| | 1455 | .6 | | 1415 | .5 |
| TH | 1655 | .7 | FR | 1705 | .7 |
| JE | 2345 | .3 | VE | 2320 | .2 |

**METRES**

# HALL BEACH (EST)



1989

## JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0630 | 1.2 | 16 | 0700 | 1.2 |
| | 1525 | .5 | | 1645 | .5 |
| SA | 1800 | .6 | SU | 1720 | .5 |
| SA | | | DI | 2345 | .3 |
| 2 | 0000 | .2 | 17 | 0720 | 1.2 |
| | 0710 | 1.3 | | 1655 | .5 |
| SU | 1625 | .4 | MO | 1835 | .5 |
| DI | 1855 | .6 | LU | | |
| 3 | 0035 | .2 | 18 | 0025 | .2 |
| | 0750 | 1.3 | | 0750 | 1.3 |
| MO | 1715 | .4 | TU | 1725 | .5 |
| LU | 1945 | .6 | MA | 1930 | .5 |
| 4 | 0115 | .2 | 19 | 0100 | .2 |
| | 0830 | 1.4 | | 0825 | 1.4 |
| TU | 1805 | .4 | WE | 1755 | .4 |
| MA | 2035 | .6 | ME | 2020 | .6 |
| 5 | 0155 | .2 | 20 | 0140 | .2 |
| | 0910 | 1.4 | | 0900 | 1.4 |
| WE | 1845 | .4 | TH | 1825 | .4 |
| ME | 2125 | .6 | JE | 2105 | .6 |
| 6 | 0235 | .3 | 21 | 0225 | .2 |
| | 0950 | 1.4 | | 0940 | 1.4 |
| TH | 1925 | .4 | FR | 1900 | .4 |
| JE | 2215 | .6 | VE | 2155 | .6 |
| 7 | 0325 | .3 | 22 | 0315 | .3 |
| | 1030 | 1.4 | | 1020 | 1.4 |
| FR | 1955 | .4 | SA | 1930 | .3 |
| VE | 2305 | .6 | SA | 2245 | .7 |
| 8 | 0415 | .4 | 23 | 0410 | .3 |
| | 1115 | 1.3 | | 1105 | 1.3 |
| SA | 2015 | .4 | SU | 1950 | .3 |
| SA | | | DI | 2335 | .8 |
| 9 | 0005 | .7 | 24 | 0510 | .4 |
| | 0510 | .5 | | 1150 | 1.2 |
| SU | 1200 | 1.2 | MO | 1950 | .3 |
| DI | 2025 | .3 | LU | | |
| 10 | 0115 | .7 | 25 | 0030 | .8 |
| | 0610 | .5 | | 0620 | .5 |
| MO | 1240 | 1.1 | TU | 1235 | 1.1 |
| LU | 2045 | .3 | MA | 1955 | .2 |
| 11 | 0300 | .8 | 26 | 0135 | .9 |
| | 0725 | .6 | | 0740 | .5 |
| TU | 1315 | 1.0 | WE | 1330 | 1.0 |
| MA | 2110 | .3 | ME | 2025 | .2 |
| 12 | 0410 | .9 | 27 | 0250 | 1.0 |
| | 0910 | .7 | | 0940 | .6 |
| WE | 1345 | .9 | TH | 1425 | .8 |
| ME | 2140 | .3 | JE | 2105 | .2 |
| 13 | 0505 | .9 | 28 | 0420 | 1.1 |
| | 1115 | .7 | | 1250 | .6 |
| TH | 1215 | .7 | FR | 1530 | .7 |
| JE | 2215 | .3 | VE | 2155 | .2 |
| 14 | 0555 | 1.0 | 29 | 0535 | 1.2 |
| | 2245 | .3 | | 1415 | .5 |
| FR | | | SA | 1640 | .6 |
| VE | | | SA | 2245 | .2 |
| 15 | 0630 | 1.1 | 30 | 0630 | 1.2 |
| | 2315 | .3 | | 1520 | .4 |
| SA | | | SU | 1755 | .5 |
| SA | | | DI | 2335 | .2 |
| | | | 31 | 0710 | 1.3 |
| | | | | 1615 | .4 |
| | | | MO | 1900 | .5 |
| | | | LU | | |

## AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0025 | .2 | 16 | 0000 | .2 |
| | 0745 | 1.3 | | 0725 | 1.3 |
| TU | 1700 | .4 | WE | 1645 | .4 |
| MA | 1950 | .6 | ME | 1925 | .6 |
| 2 | 0110 | .3 | 17 | 0045 | .2 |
| | 0820 | 1.3 | | 0800 | 1.3 |
| WE | 1740 | .4 | TH | 1715 | .4 |
| ME | 2035 | .6 | JE | 2010 | .7 |
| 3 | 0150 | .3 | 18 | 0130 | .2 |
| | 0855 | 1.3 | | 0835 | 1.3 |
| TH | 1815 | .4 | FR | 1740 | .4 |
| JE | 2115 | .7 | VE | 2050 | .7 |
| 4 | 0235 | .3 | 19 | 0220 | .2 |
| | 0930 | 1.3 | | 0915 | 1.3 |
| FR | 1845 | .4 | SA | 1810 | .4 |
| VE | 2155 | .7 | SA | 2135 | .8 |
| 5 | 0320 | .4 | 20 | 0310 | .3 |
| | 1005 | 1.2 | | 0955 | 1.2 |
| SA | 1900 | .4 | SU | 1640 | .4 |
| SA | 2235 | .8 | DI | 2220 | .9 |
| 6 | 0410 | .4 | 21 | 0405 | .4 |
| | 1045 | 1.2 | | 1035 | 1.2 |
| SU | 1635 | .4 | MO | 1715 | .3 |
| DI | 2320 | .8 | LU | 2310 | 1.0 |
| 7 | 0505 | .5 | 22 | 0510 | .4 |
| | 1120 | 1.1 | | 1120 | 1.1 |
| MO | 1850 | .4 | TU | 1755 | .3 |
| LU | | | MA | | |
| 8 | 0010 | .9 | 23 | 0000 | 1.0 |
| | 0605 | .6 | | 0625 | .5 |
| TU | 1155 | 1.0 | WE | 1210 | 1.0 |
| MA | 1920 | .3 | ME | 1835 | .3 |
| 9 | 0105 | .9 | 24 | 0100 | 1.1 |
| | 0730 | .6 | | 0845 | .5 |
| WE | 1225 | .9 | TH | 1300 | .8 |
| ME | 1945 | .4 | JE | 1920 | .3 |
| 10 | 0215 | .9 | 25 | 0210 | 1.1 |
| | 0925 | .7 | | 1100 | .5 |
| TH | 1245 | .8 | FR | 1400 | .7 |
| JE | 1950 | .4 | VE | 2010 | .3 |
| 11 | 0410 | 1.0 | 26 | 0335 | 1.1 |
| | 2005 | .4 | | 1245 | .5 |
| FR | | | SA | 1515 | .6 |
| VE | | | SA | 2110 | .3 |
| 12 | 0510 | 1.1 | 27 | 0510 | 1.2 |
| | 2040 | .3 | | 1405 | .4 |
| SA | | | SU | 1705 | .5 |
| SA | | | DI | 2220 | .4 |
| 13 | 0555 | 1.1 | 28 | 0620 | 1.2 |
| | 2140 | .3 | | 1500 | .4 |
| SU | | | MO | 1855 | .5 |
| DI | | | LU | 2325 | .4 |
| 14 | 0630 | 1.2 | 29 | 0705 | 1.2 |
| | 1615 | .5 | | 1550 | .3 |
| MO | 1705 | .5 | TU | 1935 | .6 |
| LU | 2255 | .3 | MA | | |
| 15 | 0655 | 1.2 | 30 | 0020 | .4 |
| | 1620 | .5 | | 0735 | 1.2 |
| TU | 1835 | .5 | WE | 1630 | .3 |
| MA | | | ME | 1955 | .6 |
| | | | 31 | 0110 | .4 |
| | | | | 0805 | 1.2 |
| | | | TH | 1705 | .4 |
| | | | JE | 2025 | .7 |

## SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0150 | .4 | 16 | 0125 | .3 |
| | 0835 | 1.2 | | 0810 | 1.2 |
| FR | 1730 | .4 | SA | 1430 | .3 |
| VE | 2055 | .8 | SA | 2030 | .9 |
| 2 | 0235 | .4 | 17 | 0215 | .3 |
| | 0905 | 1.2 | | 0850 | 1.2 |
| SA | 1545 | .4 | SU | 1455 | .3 |
| SA | 2130 | .9 | DI | 2115 | 1.0 |
| 3 | 0320 | .4 | 18 | 0305 | .4 |
| | 0935 | 1.1 | | 0930 | 1.1 |
| SU | 1610 | .4 | MO | 1530 | .3 |
| DI | 2205 | 1.0 | LU | 2155 | 1.1 |
| 4 | 0405 | .5 | 19 | 0400 | .4 |
| | 1010 | 1.0 | | 1010 | 1.0 |
| MO | 1645 | .4 | TU | 1610 | .2 |
| LU | 2240 | 1.0 | MA | 2240 | 1.2 |
| 5 | 0505 | .5 | 20 | 0510 | .5 |
| | 1045 | 1.0 | | 1055 | .9 |
| TU | 1720 | .4 | WE | 1655 | .2 |
| MA | 2320 | 1.1 | ME | 2330 | 1.2 |
| 6 | 0640 | .6 | 21 | 0815 | .5 |
| | 1115 | .9 | | 1145 | .8 |
| WE | 1745 | .4 | TH | 1740 | .3 |
| ME | | | JE | | |
| 7 | 0005 | 1.1 | 22 | 0030 | 1.2 |
| | 0820 | .6 | | 0930 | .5 |
| TH | 1150 | .8 | FR | 1240 | .7 |
| JE | 1810 | .4 | VE | 1825 | .3 |
| 8 | 0055 | 1.1 | 23 | 0135 | 1.2 |
| | 0945 | .6 | | 1100 | .5 |
| FR | 1215 | .7 | SA | 1350 | .6 |
| VE | 1835 | .4 | SA | 1915 | .4 |
| 9 | 0155 | 1.1 | 24 | 0300 | 1.2 |
| | 1135 | .6 | | 1225 | .4 |
| SA | 1225 | .6 | SU | 1615 | .5 |
| SA | 1910 | .4 | DI | 2025 | .5 |
| 10 | 0315 | 1.1 | 25 | 0435 | 1.2 |
| | 1955 | .4 | | 1335 | .3 |
| SU | | | MO | 1820 | .6 |
| DI | | | LU | 2205 | .5 |
| 11 | 0445 | 1.1 | 26 | 0550 | 1.2 |
| | 2100 | .4 | | 1425 | .3 |
| MO | | | TU | 1920 | .6 |
| LU | | | MA | 2325 | .5 |
| 12 | 0540 | 1.2 | 27 | 0640 | 1.1 |
| | 1450 | .5 | | 1510 | .3 |
| TU | 1740 | .5 | WE | 1940 | .7 |
| MA | 2225 | .3 | ME | | |
| 13 | 0620 | 1.2 | 28 | 0020 | .5 |
| | 1515 | .4 | | 0710 | 1.1 |
| WE | 1830 | .6 | TH | 1545 | .3 |
| ME | 2340 | .3 | JE | 1950 | .8 |
| 14 | 0655 | 1.2 | 29 | 0110 | .5 |
| | 1540 | .4 | | 0740 | 1.0 |
| TH | 1910 | .7 | FR | 1605 | .4 |
| JE | | | VE | 2005 | .9 |
| 15 | 0040 | .3 | 30 | 0150 | .5 |
| | 0735 | 1.2 | | 0805 | 1.0 |
| FR | 1600 | .4 | SA | 1425 | .4 |
| VE | 1950 | .8 | SA | 2035 | 1.0 |

METRES

## TABLE DES MARÉES

# HALL BEACH (NNE 2+5)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0235 | .5 | 16 | 0210 | .4 |
| | 0835 | 1.0 | | 0820 | 1.0 |
| SU | 1450 | .3 | MO | 1415 | .2 |
| DI | 2100 | 1.1 | LU | 2050 | 1.2 |
| 2 | 0320 | .5 | 17 | 0300 | .5 |
| | 0905 | .9 | | 0900 | .9 |
| MO | 1515 | .3 | TU | 1450 | .2 |
| LU | 2135 | 1.1 | MA | 2135 | 1.3 |
| 3 | 0415 | .5 | 18 | 0635 | .5 |
| | 0935 | .9 | | 0945 | .9 |
| TU | 1545 | .3 | WE | 1530 | .2 |
| MA | 2210 | 1.2 | ME | 2220 | 1.4 |
| 4 | 0635 | .5 | 19 | 0730 | .5 |
| | 1010 | .8 | | 1030 | .8 |
| WE | 1615 | .4 | TH | 1610 | .2 |
| ME | 2245 | 1.2 | JE | 2305 | 1.4 |
| 5 | 0740 | .5 | 20 | 0830 | .4 |
| | 1045 | .7 | | 1125 | .7 |
| TH | 1645 | .4 | FR | 1655 | .3 |
| JE | 2330 | 1.2 | VE | | |
| 6 | 0840 | .5 | 21 | 0000 | 1.3 |
| | 1120 | .7 | | 0930 | .4 |
| FR | 1720 | .4 | SA | 1230 | .6 |
| VE | | | SA | 1740 | .4 |
| 7 | 0015 | 1.2 | 22 | 0105 | 1.3 |
| | 0940 | .5 | | 1040 | .4 |
| SA | 1200 | .6 | SU | 1410 | .5 |
| SA | 1755 | .4 | DI | 1830 | .5 |
| 8 | 0110 | 1.2 | 23 | 0220 | 1.2 |
| | 1050 | .5 | | 1150 | .3 |
| SU | 1250 | .5 | MO | 1655 | .6 |
| DI | 1835 | .4 | LU | 1955 | .5 |
| 9 | 0210 | 1.2 | 24 | 0350 | 1.1 |
| | 1155 | .5 | | 1250 | .3 |
| MO | 1405 | .5 | TU | 1810 | .6 |
| LU | 1930 | .4 | MA | 2155 | .6 |
| 10 | 0325 | 1.2 | 25 | 0505 | 1.1 |
| | 1250 | .4 | | 1335 | .3 |
| TU | 1605 | .5 | WE | 1855 | .7 |
| MA | 2035 | .4 | ME | 2315 | .6 |
| 11 | 0435 | 1.1 | 26 | 0555 | 1.0 |
| | 1325 | .4 | | 1410 | .3 |
| WE | 1735 | .6 | TH | 1915 | .8 |
| ME | 2205 | .4 | JE | | |
| 12 | 0530 | 1.1 | 27 | 0020 | .5 |
| | 1340 | .4 | | 0635 | .9 |
| TH | 1815 | .7 | FR | 1315 | .3 |
| JE | 2330 | .4 | VE | 1930 | .9 |
| 13 | 0620 | 1.1 | 28 | 0115 | .5 |
| | 1310 | .3 | | 0705 | .9 |
| FR | 1855 | .8 | SA | 1320 | .3 |
| VE | | | SA | 1945 | 1.0 |
| 14 | 0030 | .4 | 29 | 0415 | .5 |
| | 0700 | 1.0 | | 0730 | .8 |
| SA | 1315 | .3 | SU | 1340 | .3 |
| SA | 1935 | 1.0 | DI | 2010 | 1.1 |
| 15 | 0125 | .4 | 30 | 0455 | .5 |
| | 0740 | 1.0 | | 0800 | .8 |
| SU | 1340 | .2 | MO | 1405 | .3 |
| DI | 2010 | 1.1 | LU | 2035 | 1.2 |
| | | | 31 | 0535 | .5 |
| | | | | 0830 | .8 |
| | | | TU | 1430 | .3 |
| | | | MA | 2105 | 1.2 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0615 | .5 | 16 | 0640 | .5 |
| | 0905 | .7 | | 0925 | .7 |
| WE | 1455 | .3 | TH | 1455 | .2 |
| ME | 2140 | 1.3 | JE | 2200 | 1.5 |
| 2 | 0700 | .5 | 17 | 0735 | .4 |
| | 0940 | .7 | | 1015 | .6 |
| TH | 1530 | .3 | FR | 1535 | .2 |
| JE | 2220 | 1.3 | VE | 2245 | 1.4 |
| 3 | 0745 | .5 | 18 | 0825 | .4 |
| | 1020 | .6 | | 1110 | .6 |
| FR | 1605 | .4 | SA | 1620 | .3 |
| VE | 2300 | 1.3 | SA | 2340 | 1.4 |
| 4 | 0835 | .5 | 19 | 0915 | .4 |
| | 1105 | .6 | | 1225 | .5 |
| SA | 1640 | .4 | SU | 1710 | .4 |
| SA | 2350 | 1.3 | DI | | |
| 5 | 0925 | .4 | 20 | 0035 | 1.3 |
| | 1200 | .5 | | 1010 | .3 |
| SU | 1725 | .4 | MO | 1445 | .6 |
| DI | | | LU | 1810 | .5 |
| 6 | 0040 | 1.3 | 21 | 0140 | 1.2 |
| | 1010 | .4 | | 1100 | .3 |
| MO | 1300 | .5 | TU | 1620 | .6 |
| LU | 1815 | .4 | MA | 1945 | .6 |
| 7 | 0135 | 1.2 | 22 | 0255 | 1.1 |
| | 1055 | .4 | | 1140 | .3 |
| TU | 1420 | .5 | WE | 1725 | .7 |
| MA | 1910 | .4 | ME | 2130 | .6 |
| 8 | 0235 | 1.2 | 23 | 0400 | 1.0 |
| | 1130 | .3 | | 1200 | .3 |
| WE | 1555 | .6 | TH | 1810 | .8 |
| ME | 2025 | .5 | JE | 2300 | .6 |
| 9 | 0340 | 1.1 | 24 | 0500 | .9 |
| | 1155 | .3 | | 1155 | .3 |
| TH | 1710 | .7 | FR | 1845 | .9 |
| JE | 2155 | .5 | VE | | |
| 10 | 0440 | 1.0 | 25 | 0230 | .6 |
| | 1155 | .3 | | 0545 | .8 |
| FR | 1755 | .8 | SA | 1215 | .3 |
| VE | 2325 | .5 | SA | 1905 | 1.0 |
| 11 | 0540 | .9 | 26 | 0330 | .6 |
| | 1210 | .2 | | 0620 | .7 |
| SA | 1835 | 1.0 | SU | 1240 | .3 |
| SA | | | DI | 1930 | 1.1 |
| 12 | 0030 | .5 | 27 | 0420 | .5 |
| | 0625 | .9 | | 0655 | .7 |
| SU | 1235 | .2 | MO | 1305 | .3 |
| DI | 1915 | 1.1 | LU | 1950 | 1.2 |
| 13 | 0125 | .5 | 28 | 0500 | .5 |
| | 0710 | .9 | | 0725 | .6 |
| MO | 1305 | .1 | TU | 1330 | .2 |
| LU | 1955 | 1.2 | MA | 2015 | 1.2 |
| 14 | 0455 | .5 | 29 | 0540 | .5 |
| | 0755 | .8 | | 0800 | .6 |
| TU | 1340 | .1 | WE | 1350 | .3 |
| MA | 2035 | 1.4 | ME | 2045 | 1.3 |
| 15 | 0550 | .5 | 30 | 0620 | .5 |
| | 0840 | .8 | | 0840 | .6 |
| WE | 1415 | .2 | TH | 1420 | .3 |
| ME | 2115 | 1.4 | JE | 2120 | 1.4 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0700 | .5 | 16 | 0725 | .4 |
| | 0920 | .6 | | 1000 | .6 |
| FR | 1455 | .3 | SA | 1515 | .3 |
| VE | 2200 | 1.4 | SA | 2230 | 1.4 |
| 2 | 0735 | .4 | 17 | 0805 | .4 |
| | 1005 | .5 | | 1100 | .6 |
| SA | 1530 | .3 | SU | 1600 | .3 |
| SA | 2240 | 1.4 | DI | 2320 | 1.4 |
| 3 | 0815 | .4 | 18 | 0845 | .3 |
| | 1055 | .5 | | 1205 | .6 |
| SU | 1615 | .3 | MO | 1700 | .4 |
| DI | 2325 | 1.4 | LU | | |
| 4 | 0855 | .4 | 19 | 0010 | 1.3 |
| | 1150 | .5 | | 0920 | .3 |
| MO | 1705 | .4 | TU | 1335 | .6 |
| LU | | | MA | 1805 | .5 |
| 5 | 0015 | 1.3 | 20 | 0100 | 1.2 |
| | 0930 | .3 | | 0940 | .3 |
| TU | 1250 | .5 | WE | 1525 | .7 |
| MA | 1800 | .4 | ME | 1930 | .6 |
| 6 | 0105 | 1.2 | 21 | 0155 | 1.0 |
| | 1000 | .3 | | 0955 | .3 |
| WE | 1400 | .6 | TH | 1630 | .8 |
| ME | 1900 | .5 | JE | 2105 | .7 |
| 7 | 0200 | 1.2 | 22 | 0250 | .9 |
| | 1020 | .3 | | 1020 | .3 |
| TH | 1520 | .7 | FR | 1725 | .9 |
| JE | 2015 | .5 | VE | 2245 | .7 |
| 8 | 0255 | 1.0 | 23 | 0340 | .8 |
| | 1030 | .2 | | 1050 | .3 |
| FR | 1635 | .8 | SA | 1810 | 1.0 |
| VE | 2150 | .5 | SA | | |
| 9 | 0355 | .9 | 24 | 0245 | .6 |
| | 1050 | .2 | | 0435 | .7 |
| SA | 1730 | .9 | SU | 1125 | .3 |
| SA | 2330 | .6 | DI | 1850 | 1.1 |
| 10 | 0500 | .8 | 25 | 0345 | .6 |
| | 1125 | .2 | | 0525 | .6 |
| SU | 1815 | 1.1 | MO | 1200 | .3 |
| DI | | | LU | 1915 | 1.1 |
| 11 | 0255 | .5 | 26 | 0425 | .5 |
| | 0555 | .8 | | 0610 | .5 |
| MO | 1200 | .1 | TU | 1225 | .3 |
| LU | 1900 | .2 | MA | 1940 | 1.2 |
| 12 | 0400 | .5 | 27 | 0500 | .5 |
| | 0645 | .7 | | 0655 | .5 |
| TU | 1235 | .1 | WE | 1255 | .2 |
| MA | 1940 | 1.3 | ME | 2000 | 1.3 |
| 13 | 0455 | .5 | 28 | 0535 | .5 |
| | 0730 | .7 | | 0735 | .5 |
| WE | 1310 | .1 | TH | 1320 | .2 |
| ME | 2020 | 1.4 | JE | 2030 | 1.3 |
| 14 | 0550 | .4 | 29 | 0605 | .5 |
| | 0820 | .6 | | 0820 | .5 |
| TH | 1350 | .2 | FR | 1350 | .2 |
| JE | 2100 | 1.5 | VE | 2105 | 1.4 |
| 15 | 0640 | .4 | 30 | 0640 | .4 |
| | 0910 | .6 | | 0905 | .5 |
| FR | 1430 | .2 | SA | 1430 | .3 |
| VE | 2145 | 1.5 | SA | 2140 | 1.4 |
| | | | 31 | 0715 | .4 |
| | | | | 0950 | .6 |
| | | | SU | 1510 | .3 |
| | | | DI | 2220 | 1.4 |

METRES

# RESOLUTE (CST −5 / −6)



1989

## JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0040 | .6 | 16 | 0055 | .4 |
| | 0655 | 1.1 | | 0745 | 1.2 |
| SU | 1225 | .7 | MO | 1320 | .8 |
| DI | 1835 | 1.3 | LU | 1900 | 1.2 |
| 2 | 0135 | .6 | 17 | 0200 | .4 |
| | 0820 | 1.2 | | 0920 | 1.3 |
| MO | 1350 | .9 | TU | 1515 | .9 |
| LU | 1930 | 1.2 | MA | 2010 | 1.2 |
| 3 | 0230 | .5 | 18 | 0310 | .4 |
| | 0940 | 1.3 | | 1040 | 1.5 |
| TU | 1525 | .9 | WE | 1655 | .8 |
| MA | 2035 | 1.2 | ME | 2135 | 1.1 |
| 4 | 0325 | .5 | 19 | 0410 | .3 |
| | 1045 | 1.4 | | 1135 | 1.6 |
| WE | 1645 | .9 | TH | 1800 | .7 |
| ME | 2140 | 1.2 | JE | 2245 | 1.1 |
| 5 | 0415 | .4 | 20 | 0505 | .2 |
| | 1130 | 1.6 | | 1220 | 1.7 |
| TH | 1745 | .8 | FR | 1850 | .6 |
| JE | 2240 | 1.2 | VE | 2340 | 1.1 |
| 6 | 0500 | .3 | 21 | 0550 | .2 |
| | 1210 | 1.7 | | 1300 | 1.8 |
| FR | 1830 | .7 | SA | 1925 | .6 |
| VE | 2330 | 1.2 | SA | | |
| 7 | 0545 | .2 | 22 | 0025 | 1.2 |
| | 1250 | 1.8 | | 0635 | .1 |
| SA | 1915 | .6 | SU | 1335 | 1.8 |
| SA | | | DI | 2000 | .5 |
| 8 | 0015 | 1.3 | 23 | 0105 | 1.2 |
| | 0625 | .2 | | 0710 | .1 |
| SU | 1325 | 1.9 | MO | 1405 | 1.8 |
| DI | 1950 | .6 | LU | 2030 | .5 |
| 9 | 0100 | 1.3 | 24 | 0145 | 1.2 |
| | 0705 | .1 | | 0745 | .1 |
| MO | 1400 | 1.9 | TU | 1435 | 1.7 |
| LU | 2030 | .5 | MA | 2055 | .5 |
| 10 | 0145 | 1.3 | 25 | 0220 | 1.2 |
| | 0745 | .1 | | 0820 | .1 |
| TU | 1440 | 1.9 | WE | 1505 | 1.7 |
| MA | 2105 | .5 | ME | 2125 | .5 |
| 11 | 0230 | 1.3 | 26 | 0255 | 1.2 |
| | 0830 | .1 | | 0855 | .2 |
| WE | 1515 | 1.9 | TH | 1530 | 1.6 |
| ME | 2145 | .4 | JE | 2150 | .5 |
| 12 | 0315 | 1.3 | 27 | 0330 | 1.2 |
| | 0910 | .2 | | 0930 | .3 |
| TH | 1550 | 1.8 | FR | 1555 | 1.5 |
| JE | 2225 | .4 | VE | 2215 | .5 |
| 13 | 0405 | 1.3 | 28 | 0410 | 1.2 |
| | 1000 | .3 | | 1005 | .4 |
| FR | 1630 | 1.7 | SA | 1620 | 1.4 |
| VE | 2310 | .4 | SA | 2245 | .5 |
| 14 | 0505 | 1.2 | 29 | 0455 | 1.2 |
| | 1050 | .5 | | 1040 | .6 |
| SA | 1715 | 1.6 | SU | 1650 | 1.3 |
| SA | 2355 | .4 | DI | 2325 | .5 |
| 15 | 0615 | 1.2 | 30 | 0550 | 1.2 |
| | 1155 | .6 | | 1130 | .7 |
| SU | 1800 | 1.4 | MO | 1725 | 1.2 |
| DI | | | LU | | |
| | | | 31 | 0010 | .5 |
| | | | | 0715 | 1.2 |
| | | | TU | 1250 | .9 |
| | | | MA | 1810 | 1.2 |

## FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0110 | .5 | 16 | 0240 | .4 |
| | 0900 | 1.2 | | 1035 | 1.4 |
| WE | 1500 | .9 | TH | 1715 | .8 |
| ME | 1925 | 1.1 | JE | 2135 | .9 |
| 2 | 0230 | .5 | 17 | 0400 | .3 |
| | 1020 | 1.4 | | 1130 | 1.6 |
| TH | 1645 | .9 | FR | 1805 | .6 |
| JE | 2105 | 1.1 | VE | 2250 | 1.0 |
| 3 | 0340 | .4 | 18 | 0500 | .3 |
| | 1110 | 1.5 | | 1210 | 1.6 |
| FR | 1740 | .8 | SA | 1840 | .5 |
| VE | 2225 | 1.1 | SA | 2340 | 1.1 |
| 4 | 0440 | .3 | 19 | 0545 | .2 |
| | 1155 | 1.6 | | 1245 | 1.6 |
| SA | 1820 | .6 | SU | 1905 | .5 |
| SA | 2320 | 1.2 | DI | | |
| 5 | 0530 | .2 | 20 | 0020 | 1.2 |
| | 1230 | 1.8 | | 0625 | .1 |
| SU | 1855 | .5 | MO | 1310 | 1.7 |
| DI | | | LU | 1930 | .4 |
| 6 | 0010 | 1.2 | 21 | 0055 | 1.2 |
| | 0615 | .1 | | 0700 | .1 |
| MO | 1305 | 1.8 | TU | 1335 | 1.6 |
| LU | 1930 | .4 | MA | 1955 | .4 |
| 7 | 0055 | 1.3 | 22 | 0130 | 1.3 |
| | 0655 | .0 | | 0730 | .1 |
| TU | 1340 | 1.9 | WE | 1400 | 1.6 |
| MA | 2000 | .3 | ME | 2015 | .3 |
| 8 | 0135 | 1.4 | 23 | 0200 | 1.3 |
| | 0735 | .0 | | 0800 | .1 |
| WE | 1415 | 1.9 | TH | 1425 | 1.6 |
| ME | 2035 | .2 | JE | 2040 | .3 |
| 9 | 0220 | 1.4 | 24 | 0230 | 1.4 |
| | 0820 | .0 | | 0835 | .2 |
| TH | 1445 | 1.8 | FR | 1450 | 1.5 |
| JE | 2110 | .2 | VE | 2100 | .3 |
| 10 | 0305 | 1.4 | 25 | 0305 | 1.4 |
| | 0900 | .2 | | 0905 | .3 |
| FR | 1520 | 1.7 | SA | 1510 | 1.4 |
| VE | 2145 | .2 | SA | 2125 | .3 |
| 11 | 0350 | 1.4 | 26 | 0340 | 1.4 |
| | 0945 | .3 | | 0940 | .4 |
| SA | 1600 | 1.6 | SU | 1535 | 1.4 |
| SA | 2225 | .2 | DI | 2150 | .3 |
| 12 | 0445 | 1.4 | 27 | 0420 | 1.3 |
| | 1035 | .5 | | 1015 | .6 |
| SU | 1635 | 1.4 | MO | 1600 | 1.3 |
| DI | 2310 | .3 | LU | 2225 | .4 |
| 13 | 0550 | 1.3 | 28 | 0505 | 1.3 |
| | 1135 | .7 | | 1100 | .7 |
| MO | 1715 | 1.2 | TU | 1630 | 1.2 |
| LU | | | MA | 2305 | .4 |
| 14 | 0000 | .3 | | | |
| | 0715 | 1.3 | | | |
| TU | 1315 | .8 | | | |
| MA | 1810 | 1.1 | | | |
| 15 | 0110 | .4 | | | |
| | 0905 | 1.3 | | | |
| WE | 1540 | .9 | | | |
| ME | 1940 | 1.0 | | | |

## MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0620 | 1.2 | 16 | 0025 | .4 |
| | 1220 | .9 | | 0845 | 1.3 |
| WE | 1705 | 1.1 | TH | 1605 | .8 |
| ME | | | JE | 1940 | .8 |
| 2 | 0005 | .5 | 17 | 0210 | .5 |
| | 0810 | 1.2 | | 1010 | 1.4 |
| TH | 1455 | .9 | FR | 1710 | .6 |
| JE | 1830 | 1.0 | VE | 2145 | .9 |
| 3 | 0135 | .5 | 18 | 0345 | .4 |
| | 0945 | 1.3 | | 1100 | 1.4 |
| FR | 1635 | .8 | SA | 1740 | .5 |
| VE | 2050 | .9 | SA | 2250 | 1.0 |
| 4 | 0310 | .4 | 19 | 0445 | .3 |
| | 1040 | 1.5 | | 1140 | 1.5 |
| SA | 1720 | .6 | SU | 1805 | .4 |
| SA | 2215 | 1.0 | DI | 2330 | 1.1 |
| 5 | 0420 | .3 | 20 | 0530 | .2 |
| | 1120 | 1.6 | | 1210 | 1.5 |
| SU | 1750 | .5 | MO | 1830 | .4 |
| DI | 2315 | 1.2 | LU | | |
| 6 | 0510 | .2 | 21 | 0005 | 1.2 |
| | 1200 | 1.7 | | 0605 | .2 |
| MO | 1825 | .3 | TU | 1235 | 1.5 |
| LU | | | MA | 1850 | .3 |
| 7 | 0000 | 1.3 | 22 | 0040 | 1.3 |
| | 0600 | .1 | | 0640 | .1 |
| TU | 1235 | 1.7 | WE | 1300 | 1.5 |
| MA | 1855 | .2 | ME | 1910 | .2 |
| 8 | 0040 | 1.4 | 23 | 0110 | 1.4 |
| | 0640 | .0 | | 0710 | .2 |
| WE | 1305 | 1.8 | TH | 1325 | 1.5 |
| ME | 1925 | .1 | JE | 1930 | .2 |
| 9 | 0125 | 1.5 | 24 | 0140 | 1.5 |
| | 0725 | .0 | | 0745 | .2 |
| TH | 1340 | 1.7 | FR | 1345 | 1.4 |
| JE | 2000 | .0 | VE | 1955 | .2 |
| 10 | 0205 | 1.6 | 25 | 0210 | 1.5 |
| | 0805 | .1 | | 0815 | .3 |
| FR | 1415 | 1.7 | SA | 1410 | 1.4 |
| VE | 2035 | .0 | SA | 2020 | .2 |
| 11 | 0250 | 1.6 | 26 | 0240 | 1.5 |
| | 0850 | .2 | | 0845 | .4 |
| SA | 1450 | 1.6 | SU | 1435 | 1.3 |
| SA | 2110 | .0 | DI | 2045 | .2 |
| 12 | 0335 | 1.6 | 27 | 0315 | 1.5 |
| | 0935 | .3 | | 0920 | .5 |
| SU | 1525 | 1.4 | MO | 1500 | 1.3 |
| DI | 2145 | .1 | LU | 2110 | .2 |
| 13 | 0425 | 1.5 | 28 | 0355 | 1.4 |
| | 1025 | .5 | | 1000 | .6 |
| MO | 1600 | 1.2 | TU | 1525 | 1.2 |
| LU | 2225 | .2 | MA | 2140 | .3 |
| 14 | 0525 | .4 | 29 | 0440 | 1.4 |
| | 1135 | .7 | | 1050 | .7 |
| TU | 1640 | 1.1 | WE | 1550 | 1.1 |
| MA | 2315 | .3 | ME | 2220 | .4 |
| 15 | 0655 | 1.3 | 30 | 0545 | 1.3 |
| | 1330 | .8 | | 1220 | .8 |
| WE | 1735 | .9 | TH | 1635 | 1.0 |
| ME | | | JE | 2320 | .4 |
| | | | 31 | 0715 | 1.3 |
| | | | | 1440 | .8 |
| | | | FR | 1825 | .9 |
| | | | VE | | |

## TABLE DES MARÉES

# RESOLUTE (HNC 2+8)

1989

### APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0055 | .5 | 16 | 0310 | .5 |
| | 0850 | 1.3 | | 1015 | 1.3 |
| SA | 1600 | .7 | SU | 1655 | .5 |
| SA | 2045 | .9 | DI | 2230 | 1.0 |
| 2 | 0235 | .5 | 17 | 0415 | .4 |
| | 0950 | 1.4 | | 1055 | 1.3 |
| SU | 1640 | .5 | MO | 1720 | .4 |
| DI | 2205 | 1.0 | LU | 2310 | 1.1 |
| 3 | 0355 | .3 | 18 | 0500 | .3 |
| | 1040 | 1.5 | | 1125 | 1.3 |
| MO | 1710 | .4 | TU | 1745 | .3 |
| LU | 2255 | 1.2 | MA | 2345 | 1.2 |
| 4 | 0450 | .2 | 19 | 0540 | .3 |
| | 1120 | 1.6 | | 1150 | 1.4 |
| TU | 1745 | .2 | WE | 1805 | .2 |
| MA | 2345 | 1.4 | ME | | |
| 5 | 0540 | .2 | 20 | 0015 | 1.4 |
| | 1155 | 1.6 | | 0615 | .3 |
| WE | 1820 | .1 | TH | 1215 | 1.4 |
| ME | | | JE | 1830 | .2 |
| 6 | 0025 | 1.5 | 21 | 0050 | 1.5 |
| | 0625 | .1 | | 0650 | .3 |
| TH | 1235 | 1.6 | FR | 1245 | 1.4 |
| JE | 1850 | .0 | VE | 1850 | .2 |
| 7 | 0110 | 1.6 | 22 | 0120 | 1.6 |
| | 0710 | .1 | | 0725 | .3 |
| FR | 1310 | 1.6 | SA | 1310 | 1.3 |
| VE | 1925 | −.1 | SA | 1915 | .1 |
| 8 | 0150 | 1.7 | 23 | 0155 | 1.6 |
| | 0755 | .2 | | 0800 | .4 |
| SA | 1345 | 1.5 | SU | 1335 | 1.3 |
| SA | 2000 | −.1 | DI | 1945 | .1 |
| 9 | 0235 | 1.7 | 24 | 0225 | 1.6 |
| | 0840 | .3 | | 0835 | .5 |
| SU | 1420 | 1.4 | MO | 1400 | 1.2 |
| DI | 2035 | .0 | LU | 2010 | .2 |
| 10 | 0320 | 1.6 | 25 | 0300 | 1.6 |
| | 0930 | .4 | | 0915 | .6 |
| MO | 1455 | 1.2 | TU | 1430 | 1.2 |
| LU | 2115 | .1 | MA | 2040 | .2 |
| 11 | 0410 | 1.6 | 26 | 0340 | 1.6 |
| | 1025 | .6 | | 1000 | .6 |
| TU | 1535 | 1.1 | WE | 1505 | 1.1 |
| MA | 2155 | .2 | ME | 2115 | .2 |
| 12 | 0510 | 1.5 | 27 | 0425 | 1.5 |
| | 1140 | .7 | | 1100 | .7 |
| WE | 1620 | 1.0 | TH | 1545 | 1.0 |
| ME | 2240 | .3 | JE | 2200 | .3 |
| 13 | 0625 | 1.3 | 28 | 0525 | 1.4 |
| | 1335 | .7 | | 1220 | .7 |
| TH | 1725 | .8 | FR | 1645 | .9 |
| JE | 2350 | .4 | VE | 2300 | .4 |
| 14 | 0800 | 1.3 | 29 | 0635 | 1.4 |
| | 1530 | .7 | | 1350 | .7 |
| FR | 1945 | .8 | SA | 1835 | .9 |
| VE | | | SA | | |
| 15 | 0135 | .5 | 30 | 0025 | .5 |
| | 0920 | 1.3 | | 0750 | 1.4 |
| SA | 1625 | .5 | SU | 1500 | .5 |
| SA | 2130 | .9 | DI | 2025 | .9 |

### MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0200 | .5 | 16 | 0330 | .5 |
| | 0855 | 1.4 | | 0950 | 1.2 |
| MO | 1545 | .4 | TU | 1625 | .4 |
| LU | 2140 | 1.1 | MA | 2240 | 1.2 |
| 2 | 0325 | .5 | 17 | 0425 | .5 |
| | 0950 | 1.4 | | 1025 | 1.2 |
| TU | 1625 | .3 | WE | 1655 | .3 |
| MA | 2240 | 1.3 | ME | 2320 | 1.3 |
| 3 | 0430 | .4 | 18 | 0515 | .5 |
| | 1035 | 1.5 | | 1100 | 1.3 |
| WE | 1705 | .1 | TH | 1720 | .3 |
| ME | 2325 | 1.5 | JE | 2355 | 1.5 |
| 4 | 0525 | .3 | 19 | 0555 | .5 |
| | 1120 | 1.5 | | 1135 | 1.3 |
| TH | 1740 | .0 | FR | 1750 | .2 |
| JE | | | VE | | |
| 5 | 0010 | 1.6 | 20 | 0030 | 1.6 |
| | 0615 | .3 | | 0635 | .5 |
| FR | 1200 | 1.5 | SA | 1205 | 1.3 |
| VE | 1820 | −.1 | SA | 1820 | .2 |
| 6 | 0055 | 1.7 | 21 | 0105 | 1.6 |
| | 0705 | .3 | | 0715 | .5 |
| SA | 1240 | 1.4 | SU | 1235 | 1.3 |
| SA | 1855 | −.1 | DI | 1850 | .2 |
| 7 | 0140 | 1.8 | 22 | 0140 | 1.7 |
| | 0750 | .4 | | 0755 | .5 |
| SU | 1320 | 1.4 | MO | 1310 | 1.3 |
| DI | 1935 | −.1 | LU | 1920 | .1 |
| 8 | 0225 | 1.8 | 23 | 0215 | 1.7 |
| | 0840 | .4 | | 0835 | .6 |
| MO | 1400 | 1.3 | TU | 1345 | 1.2 |
| LU | 2010 | .0 | MA | 1950 | .2 |
| 9 | 0310 | 1.7 | 24 | 0255 | 1.7 |
| | 0930 | .5 | | 0915 | .6 |
| TU | 1440 | 1.2 | WE | 1420 | 1.2 |
| MA | 2050 | .1 | ME | 2025 | .2 |
| 10 | 0400 | 1.6 | 25 | 0330 | 1.7 |
| | 1030 | .6 | | 1005 | .6 |
| WE | 1520 | 1.0 | TH | 1500 | 1.1 |
| ME | 2130 | .2 | JE | 2105 | .2 |
| 11 | 0450 | 1.6 | 26 | 0415 | 1.6 |
| | 1135 | .6 | | 1055 | .6 |
| TH | 1610 | .9 | FR | 1550 | 1.1 |
| JE | 2220 | .3 | VE | 2150 | .3 |
| 12 | 0550 | 1.4 | 27 | 0500 | 1.6 |
| | 1300 | .7 | | 1150 | .6 |
| FR | 1725 | .9 | SA | 1655 | 1.0 |
| VE | 2320 | .4 | SA | 2245 | .4 |
| 13 | 0700 | 1.3 | 28 | 0555 | 1.5 |
| | 1420 | .6 | | 1255 | .6 |
| SA | 1910 | .9 | SU | 1820 | 1.0 |
| SA | | | DI | | |
| 14 | 0040 | .5 | 29 | 0000 | .5 |
| | 0805 | 1.3 | | 0655 | 1.5 |
| SU | 1515 | .5 | MO | 1355 | .5 |
| DI | 2045 | .9 | LU | 1955 | 1.1 |
| 15 | 0215 | .6 | 30 | 0125 | .6 |
| | 0905 | 1.2 | | 0755 | 1.4 |
| MO | 1555 | .5 | TU | 1450 | .4 |
| LU | 2150 | 1.0 | MA | 2115 | 1.2 |
| | | | 31 | 0250 | .6 |
| | | | | 0855 | 1.4 |
| | | | WE | 1540 | .3 |
| | | | ME | 2220 | 1.4 |

### JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0410 | .6 | 16 | 0450 | .8 |
| | 0950 | 1.4 | | 1010 | 1.2 |
| TH | 1630 | .2 | FR | 1640 | .4 |
| JE | 2315 | 1.6 | VE | 2340 | 1.5 |
| 2 | 0515 | .6 | 17 | 0545 | .7 |
| | 1045 | 1.4 | | 1055 | 1.2 |
| FR | 1710 | .1 | SA | 1715 | .3 |
| VE | | | SA | | |
| 3 | 0005 | 1.7 | 18 | 0020 | 1.7 |
| | 0610 | .5 | | 0630 | .7 |
| SA | 1135 | 1.3 | SU | 1135 | 1.3 |
| SA | 1755 | .0 | DI | 1750 | .2 |
| 4 | 0050 | 1.8 | 19 | 0055 | 1.8 |
| | 0705 | .5 | | 0710 | .7 |
| SU | 1220 | 1.3 | MO | 1215 | 1.3 |
| DI | 1835 | .0 | LU | 1830 | .2 |
| 5 | 0135 | 1.9 | 20 | 0130 | 1.8 |
| | 0755 | .5 | | 0750 | .6 |
| MO | 1305 | 1.3 | TU | 1255 | 1.3 |
| LU | 1915 | .0 | MA | 1905 | .2 |
| 6 | 0220 | 1.9 | 21 | 0205 | 1.9 |
| | 0840 | .5 | | 0830 | .6 |
| TU | 1345 | 1.2 | WE | 1335 | 1.3 |
| MA | 1955 | .0 | ME | 1940 | .2 |
| 7 | 0300 | 1.8 | 22 | 0240 | 1.9 |
| | 0930 | .6 | | 0910 | .6 |
| WE | 1430 | 1.2 | TH | 1415 | 1.3 |
| ME | 2035 | .1 | JE | 2020 | .2 |
| 8 | 0345 | 1.8 | 23 | 0315 | 1.9 |
| | 1015 | .6 | | 0945 | .6 |
| TH | 1515 | 1.1 | FR | 1500 | 1.2 |
| JE | 2115 | .2 | VE | 2100 | .2 |
| 9 | 0425 | 1.6 | 24 | 0355 | 1.8 |
| | 1105 | .6 | | 1030 | .5 |
| FR | 1605 | 1.0 | SA | 1550 | 1.2 |
| VE | 2200 | .3 | SA | 2145 | .3 |
| 10 | 0510 | 1.5 | 25 | 0430 | 1.7 |
| | 1155 | .6 | | 1110 | .5 |
| SA | 1700 | 1.0 | SU | 1650 | 1.2 |
| SA | 2250 | .5 | DI | 2235 | .5 |
| 11 | 0555 | 1.4 | 26 | 0515 | 1.6 |
| | 1250 | .6 | | 1200 | .5 |
| SU | 1815 | 1.0 | MO | 1755 | 1.2 |
| DI | 2350 | .6 | LU | 2335 | .6 |
| 12 | 0640 | 1.3 | 27 | 0605 | 1.5 |
| | 1345 | .6 | | 1255 | .5 |
| MO | 1940 | 1.0 | TU | 1920 | 1.2 |
| LU | | | MA | | |
| 13 | 0105 | .7 | 28 | 0050 | .7 |
| | 0735 | 1.3 | | 0700 | 1.4 |
| TU | 1435 | .5 | WE | 1400 | .4 |
| MA | 2100 | 1.1 | ME | 2050 | 1.3 |
| 14 | 0230 | .8 | 29 | 0225 | .8 |
| | 0830 | 1.2 | | 0805 | 1.3 |
| WE | 1520 | .5 | TH | 1500 | .4 |
| ME | 2205 | 1.2 | JE | 2205 | 1.5 |
| 15 | 0345 | .8 | 30 | 0400 | .8 |
| | 0920 | 1.2 | | 0915 | 1.3 |
| TH | 1600 | .4 | FR | 1555 | .3 |
| JE | 2255 | 1.4 | VE | 2310 | 1.6 |

**METRES**

# RESOLUTE (CST 4+6)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0520 | .8 | 16 | 0540 | .9 |
| | 1020 | 1.3 | | 1025 | 1.2 |
| SA | 1650 | .2 | SU | 1650 | .4 |
| SA | | | DI | | |
| 2 | 0000 | 1.8 | 17 | 0005 | 1.7 |
| | 0620 | .7 | | 0625 | .8 |
| SU | 1120 | 1.3 | MO | 1120 | 1.3 |
| DI | 1740 | .2 | LU | 1735 | .3 |
| 3 | 0050 | 1.9 | 18 | 0040 | 1.8 |
| | 0710 | .7 | | 0700 | .7 |
| MO | 1210 | 1.3 | TU | 1205 | 1.3 |
| LU | 1825 | .1 | MA | 1815 | .2 |
| 4 | 0130 | 1.9 | 19 | 0115 | 1.9 |
| | 0755 | .6 | | 0735 | .6 |
| TU | 1255 | 1.3 | WE | 1250 | 1.4 |
| MA | 1905 | .1 | ME | 1855 | .2 |
| 5 | 0210 | 1.9 | 20 | 0145 | 2.0 |
| | 0835 | .6 | | 0810 | .6 |
| WE | 1340 | 1.3 | TH | 1330 | 1.4 |
| ME | 1945 | .1 | JE | 1930 | .2 |
| 6 | 0245 | 1.9 | 21 | 0220 | 2.0 |
| | 0910 | .6 | | 0845 | .5 |
| TH | 1420 | 1.3 | FR | 1410 | 1.4 |
| JE | 2025 | .2 | VE | 2010 | .2 |
| 7 | 0320 | 1.8 | 22 | 0250 | 2.0 |
| | 0945 | .6 | | 0915 | .5 |
| FR | 1505 | 1.2 | SA | 1455 | 1.4 |
| VE | 2100 | .2 | SA | 2050 | .2 |
| 8 | 0350 | 1.7 | 23 | 0325 | 1.9 |
| | 1020 | .6 | | 0955 | .4 |
| SA | 1545 | 1.2 | SU | 1540 | 1.4 |
| SA | 2140 | .4 | DI | 2135 | .4 |
| 9 | 0425 | 1.6 | 24 | 0400 | 1.8 |
| | 1055 | .6 | | 1030 | .4 |
| SU | 1630 | 1.2 | MO | 1630 | 1.4 |
| DI | 2220 | .5 | LU | 2220 | .5 |
| 10 | 0455 | 1.5 | 25 | 0440 | 1.7 |
| | 1130 | .6 | | 1115 | .4 |
| MO | 1720 | 1.2 | TU | 1730 | 1.4 |
| LU | 2305 | .6 | MA | 2315 | .7 |
| 11 | 0530 | 1.4 | 26 | 0520 | 1.5 |
| | 1210 | .6 | | 1205 | .5 |
| TU | 1825 | 1.2 | WE | 1850 | 1.4 |
| MA | | | ME | | |
| 12 | 0000 | .6 | 27 | 0030 | .9 |
| | 0605 | 1.3 | | 0610 | 1.4 |
| WE | 1300 | .6 | TH | 1305 | .5 |
| ME | 1955 | 1.2 | JE | 2025 | 1.4 |
| 13 | 0120 | .9 | 28 | 0220 | 1.0 |
| | 0700 | 1.2 | | 0720 | 1.2 |
| TH | 1400 | .6 | FR | 1420 | .5 |
| JE | 2125 | 1.3 | VE | 2200 | 1.6 |
| 14 | 0305 | 1.0 | 29 | 0420 | .9 |
| | 0805 | 1.2 | | 0850 | 1.2 |
| FR | 1505 | .6 | SA | 1535 | .4 |
| VE | 2235 | 1.4 | SA | 2310 | 1.7 |
| 15 | 0440 | .9 | 30 | 0535 | .9 |
| | 0920 | 1.2 | | 1015 | 1.2 |
| SA | 1600 | .5 | SU | 1640 | .4 |
| SA | 2325 | 1.6 | DI | | |
| | | | 31 | 0000 | 1.8 |
| | | | | 0630 | .8 |
| | | | MO | 1120 | 1.2 |
| | | | LU | 1730 | .3 |

### AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0040 | 1.9 | 16 | 0015 | 1.8 |
| | 0710 | .7 | | 0640 | .7 |
| TU | 1210 | 1.3 | WE | 1155 | 1.4 |
| MA | 1820 | .2 | ME | 1800 | .3 |
| 2 | 0115 | 1.9 | 17 | 0045 | 1.9 |
| | 0740 | .6 | | 0710 | .5 |
| WE | 1255 | 1.3 | TH | 1235 | 1.5 |
| ME | 1900 | .2 | JE | 1840 | .2 |
| 3 | 0150 | 1.9 | 18 | 0115 | 2.0 |
| | 0810 | .5 | | 0740 | .5 |
| TH | 1330 | 1.4 | FR | 1320 | 1.6 |
| JE | 1935 | .2 | VE | 1920 | .2 |
| 4 | 0220 | 1.9 | 19 | 0150 | 2.0 |
| | 0840 | .5 | | 0610 | .4 |
| FR | 1410 | 1.4 | SA | 1400 | 1.6 |
| VE | 2010 | .2 | SA | 2000 | .2 |
| 5 | 0245 | 1.8 | 20 | 0220 | 1.9 |
| | 0905 | .5 | | 0840 | .3 |
| SA | 1445 | 1.4 | SU | 1440 | 1.6 |
| SA | 2045 | .3 | DI | 2040 | .3 |
| 6 | 0315 | 1.7 | 21 | 0255 | 1.9 |
| | 0930 | .5 | | 0915 | .3 |
| SU | 1520 | 1.4 | MO | 1525 | 1.6 |
| DI | 2115 | .4 | LU | 2120 | .4 |
| 7 | 0340 | 1.6 | 22 | 0330 | 1.7 |
| | 0955 | .5 | | 0950 | .3 |
| MO | 1555 | 1.4 | TU | 1610 | 1.6 |
| LU | 2150 | .5 | MA | 2210 | .6 |
| 8 | 0405 | 1.6 | 23 | 0405 | 1.6 |
| | 1025 | .5 | | 1030 | .4 |
| TU | 1635 | 1.4 | WE | 1710 | 1.6 |
| MA | 2225 | .7 | ME | 2305 | .8 |
| 9 | 0430 | 1.5 | 24 | 0445 | 1.4 |
| | 1100 | .6 | | 1120 | .5 |
| WE | 1730 | 1.3 | TH | 1825 | 1.5 |
| ME | 2315 | .9 | JE | | |
| 10 | 0500 | 1.4 | 25 | 0025 | .9 |
| | 1140 | .6 | | 0530 | 1.3 |
| TH | 1845 | 1.3 | FR | 1220 | .5 |
| JE | | | VE | 2010 | 1.5 |
| 11 | 0025 | 1.0 | 26 | 0245 | 1.0 |
| | 0540 | 1.3 | | 0650 | 1.1 |
| FR | 1240 | .7 | SA | 1350 | .6 |
| VE | 2035 | 1.3 | SA | 2155 | 1.6 |
| 12 | 0240 | 1.1 | 27 | 0445 | .9 |
| | 0650 | 1.2 | | 0900 | 1.1 |
| SA | 1400 | .7 | SU | 1525 | .5 |
| SA | 2205 | 1.5 | DI | 2300 | 1.7 |
| 13 | 0435 | 1.0 | 28 | 0540 | .8 |
| | 0845 | 1.2 | | 1030 | 1.1 |
| SU | 1525 | .6 | MO | 1635 | .5 |
| DI | 2300 | 1.6 | LU | 2345 | 1.7 |
| 14 | 0530 | .9 | 29 | 0615 | .7 |
| | 1010 | 1.2 | | 1125 | 1.2 |
| MO | 1625 | .5 | TU | 1725 | .4 |
| LU | 2340 | 1.7 | MA | | |
| 15 | 0605 | .8 | 30 | 0020 | 1.8 |
| | 1110 | 1.3 | | 0645 | .6 |
| TU | 1715 | .4 | WE | 1205 | 1.3 |
| MA | | | ME | 1810 | .3 |
| | | | 31 | 0055 | 1.8 |
| | | | | 0710 | .5 |
| | | | TH | 1245 | 1.4 |
| | | | JE | 1845 | .2 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0120 | 1.8 | 16 | 0045 | 1.9 |
| | 0735 | .5 | | 0700 | .3 |
| FR | 1315 | 1.5 | SA | 1300 | 1.7 |
| VE | 1920 | .2 | SA | 1905 | .2 |
| 2 | 0145 | 1.7 | 17 | 0115 | 1.9 |
| | 0800 | .4 | | 0735 | .2 |
| SA | 1350 | 1.6 | SU | 1340 | 1.8 |
| SA | 1950 | .3 | DI | 1945 | .3 |
| 3 | 0210 | 1.7 | 18 | 0150 | 1.8 |
| | 0820 | .4 | | 0805 | .2 |
| SU | 1420 | 1.6 | MO | 1425 | 1.8 |
| DI | 2025 | .4 | LU | 2025 | .3 |
| 4 | 0230 | 1.6 | 19 | 0225 | 1.7 |
| | 0845 | .4 | | 0840 | .2 |
| MO | 1455 | 1.6 | TU | 1510 | 1.8 |
| LU | 2055 | .5 | MA | 2110 | .5 |
| 5 | 0255 | 1.6 | 20 | 0300 | 1.6 |
| | 0910 | .4 | | 0915 | .2 |
| TU | 1525 | 1.6 | WE | 1555 | 1.7 |
| MA | 2125 | .6 | ME | 2200 | .6 |
| 6 | 0320 | 1.5 | 21 | 0335 | 1.5 |
| | 0935 | .5 | | 0955 | .3 |
| WE | 1605 | 1.5 | TH | 1655 | 1.6 |
| ME | 2205 | .8 | JE | 2305 | .8 |
| 7 | 0345 | 1.4 | 22 | 0415 | 1.3 |
| | 1005 | .5 | | 1045 | .4 |
| TH | 1650 | 1.5 | FR | 1810 | 1.6 |
| JE | 2245 | .9 | VE | | |
| 8 | 0410 | 1.3 | 23 | 0040 | .9 |
| | 1040 | .6 | | 0505 | 1.1 |
| FR | 1755 | 1.4 | SA | 1145 | .5 |
| VE | | | SA | 1950 | 1.5 |
| 9 | 0000 | 1.0 | 24 | 0310 | .9 |
| | 0445 | 1.2 | | 0655 | 1.0 |
| SA | 1135 | .6 | SU | 1325 | .6 |
| SA | 1935 | 1.4 | DI | 2125 | 1.5 |
| 10 | 0225 | 1.1 | 25 | 0435 | .8 |
| | 0600 | 1.1 | | 0915 | 1.0 |
| SU | 1305 | .7 | MO | 1510 | .6 |
| DI | 2115 | 1.5 | LU | 2230 | 1.6 |
| 11 | 0420 | 1.0 | 26 | 0515 | .7 |
| | 0825 | 1.1 | | 1030 | 1.1 |
| MO | 1445 | .6 | TU | 1620 | .5 |
| LU | 2220 | 1.6 | MA | 2315 | 1.6 |
| 12 | 0500 | .8 | 27 | 0545 | .6 |
| | 1000 | 1.2 | | 1115 | 1.2 |
| TU | 1555 | .5 | WE | 1710 | .4 |
| MA | 2300 | 1.7 | ME | 2350 | 1.6 |
| 13 | 0530 | .7 | 28 | 0610 | .5 |
| | 1055 | 1.3 | | 1155 | 1.4 |
| WE | 1650 | .4 | TH | 1750 | .4 |
| ME | 2335 | 1.8 | JE | | |
| 14 | 0600 | .5 | 29 | 0015 | 1.6 |
| | 1140 | 1.4 | | 0635 | .4 |
| TH | 1740 | .3 | FR | 1225 | 1.5 |
| JE | | | VE | 1825 | .3 |
| 15 | 0010 | 1.8 | 30 | 0040 | 1.6 |
| | 0630 | .4 | | 0655 | .4 |
| FR | 1220 | 1.6 | SA | 1300 | 1.6 |
| VE | 1820 | .2 | SA | 1900 | .4 |

METRES

## TABLE DES MARÉES

# RESOLUTE (HNC 2+6)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0105 | 1.6 | 16 | 0045 | 1.7 |
| | 0715 | .3 | | 0700 | .1 |
| SU | 1330 | 1.6 | MO | 1330 | 1.9 |
| DI | 1930 | .4 | LU | 1935 | .4 |
| 2 | 0130 | 1.6 | 17 | 0120 | 1.6 |
| | 0740 | .3 | | 0735 | .1 |
| MO | 1400 | 1.7 | TU | 1410 | 1.9 |
| LU | 2005 | .5 | MA | 2020 | .5 |
| 3 | 0155 | 1.5 | 18 | 0155 | 1.6 |
| | 0805 | .3 | | 0810 | .1 |
| TU | 1430 | 1.7 | WE | 1455 | 1.9 |
| MA | 2040 | .5 | ME | 2110 | .6 |
| 4 | 0220 | 1.5 | 19 | 0235 | 1.5 |
| | 0830 | .3 | | 0850 | .2 |
| WE | 1505 | 1.7 | TH | 1545 | 1.8 |
| ME | 2115 | .7 | JE | 2205 | .7 |
| 5 | 0245 | 1.4 | 20 | 0315 | 1.3 |
| | 0855 | .4 | | 0930 | .3 |
| TH | 1545 | 1.6 | FR | 1640 | 1.7 |
| JE | 2150 | .8 | VE | 2315 | .8 |
| 6 | 0310 | 1.3 | 21 | 0400 | 1.2 |
| | 0925 | .5 | | 1020 | .4 |
| FR | 1625 | 1.6 | SA | 1750 | 1.6 |
| VE | 2240 | .9 | SA | | |
| 7 | 0340 | 1.2 | 22 | 0050 | .9 |
| | 1005 | .5 | | 0510 | 1.0 |
| SA | 1725 | 1.5 | SU | 1120 | .5 |
| SA | 2355 | 1.0 | DI | 1915 | 1.5 |
| 8 | 0425 | 1.1 | 23 | 0240 | .8 |
| | 1055 | .6 | | 0705 | 1.0 |
| SU | 1840 | 1.5 | MO | 1250 | .6 |
| DI | | | LU | 2035 | 1.5 |
| 9 | 0155 | .9 | 24 | 0350 | .7 |
| | 0555 | 1.0 | | 0900 | 1.0 |
| MO | 1220 | .7 | TU | 1435 | .6 |
| LU | 2010 | 1.5 | MA | 2140 | 1.5 |
| 10 | 0325 | .9 | 25 | 0430 | .6 |
| | 0810 | 1.1 | | 1010 | 1.1 |
| TU | 1400 | .7 | WE | 1550 | .6 |
| MA | 2115 | 1.5 | ME | 2225 | 1.5 |
| 11 | 0410 | .7 | 26 | 0500 | .5 |
| | 0935 | 1.2 | | 1055 | 1.3 |
| WE | 1525 | .6 | TH | 1645 | .5 |
| ME | 2210 | 1.6 | JE | 2300 | 1.5 |
| 12 | 0445 | .5 | 27 | 0525 | .5 |
| | 1035 | 1.3 | | 1130 | 1.4 |
| TH | 1625 | .5 | FR | 1730 | .5 |
| JE | 2250 | 1.6 | VE | 2330 | 1.5 |
| 13 | 0515 | .4 | 28 | 0550 | .4 |
| | 1120 | 1.5 | | 1205 | 1.5 |
| FR | 1715 | .4 | SA | 1805 | .5 |
| VE | 2330 | 1.7 | SA | | |
| 14 | 0550 | .3 | 29 | 0000 | 1.5 |
| | 1205 | 1.7 | | 0615 | .3 |
| SA | 1805 | .4 | SU | 1240 | 1.6 |
| SA | | | DI | 1840 | .5 |
| 15 | 0005 | 1.7 | 30 | 0025 | 1.5 |
| | 0625 | .2 | | 0835 | .3 |
| SU | 1245 | 1.8 | MO | 1310 | 1.7 |
| DI | 1850 | .3 | LU | 1915 | .5 |
| | | | 31 | 0055 | 1.4 |
| | | | | 0705 | .2 |
| | | | TU | 1345 | 1.7 |
| | | | MA | 1955 | .6 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0120 | 1.4 | 16 | 0140 | 1.4 |
| | 0730 | .2 | | 0750 | .1 |
| WE | 1420 | 1.8 | TH | 1450 | 2.0 |
| ME | 2030 | .6 | JE | 2115 | .6 |
| 2 | 0150 | 1.4 | 17 | 0220 | 1.3 |
| | 0800 | .3 | | 0835 | .1 |
| TH | 1455 | 1.8 | FR | 1540 | 1.9 |
| JE | 2110 | .7 | VE | 2210 | .6 |
| 3 | 0220 | 1.3 | 18 | 0310 | 1.2 |
| | 0830 | .3 | | 0915 | .2 |
| FR | 1530 | 1.7 | SA | 1630 | 1.8 |
| VE | 2150 | .8 | SA | 2310 | .7 |
| 4 | 0255 | 1.2 | 19 | 0400 | 1.1 |
| | 0905 | .4 | | 1005 | .4 |
| SA | 1610 | 1.6 | SU | 1725 | 1.6 |
| SA | 2245 | .8 | DI | | |
| 5 | 0330 | 1.2 | 20 | 0020 | .7 |
| | 0945 | .4 | | 0505 | 1.0 |
| SU | 1700 | 1.6 | MO | 1100 | .5 |
| DI | 2350 | .9 | LU | 1825 | 1.5 |
| 6 | 0430 | 1.1 | 21 | 0135 | .7 |
| | 1035 | .5 | | 0635 | 1.0 |
| MO | 1800 | 1.5 | TU | 1210 | .6 |
| LU | | | MA | 1925 | 1.4 |
| 7 | 0105 | .8 | 22 | 0240 | .6 |
| | 0555 | 1.0 | | 0815 | 1.0 |
| TU | 1145 | .8 | WE | 1340 | .7 |
| MA | 1905 | 1.5 | ME | 2030 | 1.3 |
| 8 | 0215 | .7 | 23 | 0325 | .6 |
| | 0. 40 | 1.1 | | 0930 | 1.1 |
| WE | 1315 | .6 | TH | 1500 | .7 |
| ME | 2010 | 1.5 | JE | 2120 | 1.3 |
| 9 | 0310 | .6 | 24 | 0405 | .5 |
| | 0905 | 1.2 | | 1025 | 1.3 |
| TH | 1440 | .6 | FR | 1610 | .7 |
| JE | 2110 | 1.5 | VE | 2205 | 1.3 |
| 10 | 0355 | .5 | 25 | 0435 | .4 |
| | 1010 | 1.4 | | 1110 | 1.4 |
| FR | 1555 | .6 | SA | 1700 | .7 |
| VE | 2200 | 1.5 | SA | 2240 | 1.3 |
| 11 | 0435 | .3 | 26 | 0505 | .4 |
| | 1100 | 1.6 | | 1145 | 1.5 |
| SA | 1655 | .5 | SU | 1750 | .7 |
| SA | 2245 | 1.6 | DI | 2315 | 1.3 |
| 12 | 0510 | .2 | 27 | 0535 | .3 |
| | 1150 | 1.7 | | 1225 | 1.6 |
| SU | 1750 | .5 | MO | 1830 | .6 |
| DI | 2330 | 1.6 | LU | 2350 | 1.3 |
| 13 | 0550 | .1 | 28 | 0605 | .3 |
| | 1235 | 1.9 | | 1300 | 1.7 |
| MO | 1840 | .5 | TU | 1910 | .6 |
| LU | | | MA | | |
| 14 | 0015 | 1.5 | 29 | 0025 | 1.3 |
| | 0630 | .0 | | 0635 | .2 |
| TU | 1320 | 1.9 | WE | 1335 | 1.8 |
| MA | 1930 | .5 | ME | 1950 | .7 |
| 15 | 0055 | 1.5 | 30 | 0100 | 1.3 |
| | 0710 | .0 | | 0710 | .2 |
| WE | 1405 | 2.0 | TH | 1405 | 1.8 |
| ME | 2020 | .5 | JE | 2025 | .7 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0135 | 1.3 | 16 | 0215 | 1.2 |
| | 0740 | .2 | | 0820 | .1 |
| FR | 1440 | 1.8 | SA | 1525 | 1.9 |
| VE | 2105 | .7 | SA | 2155 | .5 |
| 2 | 0210 | 1.2 | 17 | 0305 | 1.2 |
| | 0815 | .2 | | 0905 | .2 |
| SA | 1520 | 1.8 | SU | 1605 | 1.8 |
| SA | 2145 | .7 | DI | 2240 | .6 |
| 3 | 0250 | 1.2 | 18 | 0350 | 1.1 |
| | 0855 | .3 | | 0950 | .3 |
| SU | 1555 | 1.7 | MO | 1645 | 1.6 |
| DI | 2230 | .7 | LU | 2330 | .6 |
| 4 | 0335 | 1.2 | 19 | 0445 | 1.1 |
| | 0935 | .4 | | 1035 | .4 |
| MO | 1635 | 1.7 | TU | 1730 | 1.5 |
| LU | 2320 | .7 | MA | | |
| 5 | 0430 | 1.1 | 20 | 0020 | .6 |
| | 1020 | .5 | | 0550 | 1.1 |
| TU | 1720 | 1.6 | WE | 1125 | .6 |
| MA | | | ME | 1810 | 1.4 |
| 6 | 0010 | .6 | 21 | 0110 | .6 |
| | 0540 | 1.1 | | 0710 | 1.1 |
| WE | 1120 | .5 | TH | 1235 | .7 |
| ME | 1810 | 1.5 | JE | 1900 | 1.3 |
| 7 | 0105 | .6 | 22 | 0200 | .6 |
| | 0705 | 1.1 | | 0835 | 1.1 |
| TH | 1235 | .6 | FR | 1400 | .8 |
| JE | 1905 | 1.5 | VE | 1955 | 1.2 |
| 8 | 0205 | .5 | 23 | 0255 | .5 |
| | 0830 | 1.2 | | 0950 | 1.2 |
| FR | 1405 | .7 | SA | 1530 | .8 |
| VE | 2010 | 1.4 | SA | 2050 | 1.2 |
| 9 | 0300 | .4 | 24 | 0340 | .5 |
| | 0945 | 1.4 | | 1045 | 1.4 |
| SA | 1530 | .7 | SU | 1640 | .8 |
| SA | 2110 | 1.4 | DI | 2150 | 1.2 |
| 10 | 0350 | .3 | 25 | 0425 | .4 |
| | 1045 | 1.6 | | 1130 | 1.5 |
| SU | 1645 | .7 | MO | 1735 | .8 |
| DI | 2210 | 1.4 | LU | 2240 | 1.2 |
| 11 | 0440 | .2 | 26 | 0505 | .3 |
| | 1140 | 1.7 | | 1210 | 1.6 |
| MO | 1745 | .7 | TU | 1825 | .7 |
| LU | 2305 | 1.4 | MA | 2325 | 1.2 |
| 12 | 0525 | .1 | 27 | 0540 | .3 |
| | 1230 | 1.9 | | 1245 | 1.7 |
| TU | 1840 | .6 | WE | 1905 | .7 |
| MA | 2355 | 1.4 | ME | | |
| 13 | 0610 | .1 | 28 | 0005 | 1.2 |
| | 1315 | 2.0 | | 0620 | .2 |
| WE | 1935 | .6 | TH | 1320 | 1.8 |
| ME | | | JE | 1940 | .6 |
| 14 | 0045 | 1.3 | 29 | 0045 | 1.3 |
| | 0655 | .0 | | 0655 | .2 |
| TH | 1400 | 2.0 | FR | 1355 | 1.9 |
| JE | 2025 | .5 | VE | 2015 | .6 |
| 15 | 0130 | 1.3 | 30 | 0125 | 1.3 |
| | 0740 | .1 | | 0730 | .2 |
| FR | 1440 | 2.0 | SA | 1425 | 1.9 |
| VE | 2110 | .5 | SA | 2050 | .6 |
| | | | 31 | 0205 | 1.3 |
| | | | | 0805 | .2 |
| | | | SU | 1500 | 1.8 |
| | | | DI | 2125 | .5 |

METRES

# FORT ROSS (CST)

## TIDE TABLES

1989

### JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0155 | .6 | 16 | 0105 | .5 |
| | 0820 | 1.3 | | 0755 | 1.6 |
| SU | 1115 | 1.3 | MO | 1250 | 1.2 |
| DI | 1835 | 1.9 | LU | 1845 | 1.8 |
| 2 | 0235 | .6 | 17 | 0200 | .4 |
| | 0955 | 1.5 | | 0920 | 1.8 |
| MO | 1305 | 1.4 | TU | 1515 | 1.3 |
| LU | 1915 | 1.7 | MA | 1940 | 1.6 |
| 3 | 0310 | .5 | 18 | 0255 | .3 |
| | 1050 | 1.7 | | 1035 | 2.0 |
| TU | 1630 | 1.5 | WE | 1715 | 1.3 |
| MA | 2010 | 1.6 | ME | 2050 | 1.5 |
| 4 | 0345 | .5 | 19 | 0355 | .2 |
| | 1130 | 1.9 | | 1130 | 2.3 |
| WE | 1800 | 1.4 | TH | 1825 | 1.1 |
| ME | 2110 | 1.5 | JE | 2205 | 1.4 |
| 5 | 0420 | .4 | 20 | 0445 | .2 |
| | 1200 | 2.1 | | 1220 | 2.4 |
| TH | 1855 | 1.2 | FR | 1915 | 1.0 |
| JE | 2210 | 1.4 | VE | 2315 | 1.4 |
| 6 | 0500 | .3 | 21 | 0535 | .1 |
| | 1235 | 2.3 | | 1300 | 2.6 |
| FR | 1935 | 1.2 | SA | 1955 | .9 |
| VE | 2305 | 1.4 | SA | | |
| 7 | 0535 | .2 | 22 | 0010 | 1.4 |
| | 1310 | 2.5 | | 0620 | .1 |
| SA | 2010 | 1.0 | SU | 1335 | 2.6 |
| SA | | | DI | 2030 | .8 |
| 8 | 0000 | 1.3 | 23 | 0100 | 1.4 |
| | 0610 | .1 | | 0700 | .2 |
| SU | 1340 | 2.6 | MO | 1410 | 2.6 |
| DI | 2040 | .9 | LU | 2105 | .7 |
| 9 | 0050 | 1.4 | 24 | 0150 | 1.5 |
| | 0650 | .1 | | 0740 | .2 |
| MO | 1415 | 2.7 | TU | 1440 | 2.6 |
| LU | 2115 | .9 | MA | 2135 | .6 |
| 10 | 0135 | 1.4 | 25 | 0235 | 1.5 |
| | 0730 | .1 | | 0815 | .3 |
| TU | 1450 | 2.7 | WE | 1515 | 2.5 |
| MA | 2145 | .8 | ME | 2205 | .6 |
| 11 | 0225 | 1.4 | 26 | 0315 | 1.5 |
| | 0810 | .2 | | 0845 | .5 |
| WE | 1530 | 2.7 | TH | 1540 | 2.4 |
| ME | 2220 | .7 | JE | 2235 | .6 |
| 12 | 0315 | 1.4 | 27 | 0400 | 1.4 |
| | 0850 | .3 | | 0915 | .7 |
| TH | 1605 | 2.6 | FR | 1610 | 2.2 |
| JE | 2255 | .6 | VE | 2305 | .6 |
| 13 | 0410 | 1.4 | 28 | 0450 | 1.4 |
| | 0935 | .5 | | 0945 | .9 |
| FR | 1640 | 2.4 | SA | 1635 | 2.0 |
| VE | 2335 | .6 | SA | 2335 | .6 |
| 14 | 0515 | 1.5 | 29 | 0545 | 1.4 |
| | 1025 | .7 | | 1010 | 1.0 |
| SA | 1720 | 2.2 | SU | 1700 | 1.9 |
| SA | | | DI | | |
| 15 | 0015 | .5 | 30 | 0010 | .6 |
| | 0830 | 1.5 | | 0855 | 1.4 |
| SU | 1125 | 1.0 | MO | 1045 | 1.2 |
| DI | 1800 | 2.0 | LU | 1720 | 1.7 |
| | | | 31 | 0045 | .6 |
| | | | | 0830 | 1.5 |
| | | | TU | 1145 | 1.4 |
| | | | MA | 1730 | 1.6 |

### FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0135 | .6 | 16 | 0210 | .4 |
| | 1010 | 1.7 | | 1015 | 2.0 |
| WE | 1640 | 1.4 | TH | 1740 | 1.1 |
| ME | 1945 | 1.4 | JE | 2040 | 1.2 |
| 2 | 0240 | .5 | 17 | 0330 | .4 |
| | 1100 | 1.9 | | 1115 | 2.2 |
| TH | 1855 | 1.2 | FR | 1825 | .9 |
| JE | 2010 | 1.2 | VE | 2220 | 1.2 |
| 3 | 0340 | .5 | 18 | 0435 | .3 |
| | 1140 | 2.1 | | 1155 | 2.3 |
| FR | 1905 | 1.1 | SA | 1900 | .8 |
| VE | 2200 | 1.2 | SA | 2325 | 1.3 |
| 4 | 0430 | .4 | 19 | 0530 | .3 |
| | 1210 | 2.3 | | 1235 | 2.4 |
| SA | 1920 | 1.0 | SU | 1925 | .7 |
| SA | 2310 | 1.2 | DI | | |
| 5 | 0520 | .3 | 20 | 0020 | 1.4 |
| | 1245 | 2.4 | | 0615 | .3 |
| SU | 1945 | .9 | MO | 1310 | 2.4 |
| DI | | | LU | 1955 | .6 |
| 6 | 0005 | 1.3 | 21 | 0100 | 1.5 |
| | 0605 | .2 | | 0655 | .3 |
| MO | 1320 | 2.6 | TU | 1340 | 2.4 |
| LU | 2010 | .7 | MA | 2020 | .5 |
| 7 | 0050 | 1.4 | 22 | 0140 | 1.6 |
| | 0645 | .1 | | 0730 | .3 |
| TU | 1350 | 2.6 | WE | 1410 | 2.4 |
| MA | 2035 | .6 | ME | 2045 | .5 |
| 8 | 0135 | 1.6 | 23 | 0220 | 1.7 |
| | 0725 | .2 | | 0805 | .4 |
| WE | 1425 | 2.6 | TH | 1435 | 2.3 |
| ME | 2100 | .5 | JE | 2110 | .4 |
| 9 | 0220 | 1.6 | 24 | 0255 | 1.7 |
| | 0805 | .2 | | 0835 | .5 |
| TH | 1455 | 2.5 | FR | 1500 | 2.2 |
| JE | 2130 | .5 | VE | 2130 | .4 |
| 10 | 0305 | 1.7 | 25 | 0335 | 1.7 |
| | 0850 | .3 | | 0905 | .7 |
| FR | 1530 | 2.4 | SA | 1525 | 2.0 |
| VE | 2200 | .4 | SA | 2155 | .5 |
| 11 | 0355 | 1.7 | 26 | 0410 | 1.6 |
| | 0930 | .5 | | 0930 | .9 |
| SA | 1600 | 2.2 | SU | 1545 | 1.9 |
| SA | 2235 | .4 | DI | 2215 | .5 |
| 12 | 0450 | 1.7 | 27 | 0455 | 1.6 |
| | 1020 | .8 | | 1000 | 1.0 |
| SU | 1635 | 2.0 | MO | 1600 | 1.7 |
| DI | 2315 | .4 | LU | 2240 | .5 |
| 13 | 0555 | 1.7 | 28 | 0555 | 1.6 |
| | 1115 | 1.0 | | 1040 | 1.2 |
| MO | 1710 | 1.8 | TU | 1605 | 1.5 |
| LU | | | MA | 2310 | .5 |
| 14 | 0000 | .4 | | | |
| | 0715 | 1.8 | | | |
| TU | 1255 | 1.2 | | | |
| MA | 1750 | 1.6 | | | |
| 15 | 0055 | .4 | | | |
| | 0850 | 1.9 | | | |
| WE | 1605 | 1.3 | | | |
| ME | 1855 | 1.3 | | | |

### MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0715 | 1.6 | 16 | 0815 | 1.9 |
| | 1215 | 1.4 | | 1640 | 1.1 |
| WE | 1430 | 1.4 | TH | 1850 | 1.1 |
| ME | 2355 | .6 | JE | | |
| 2 | 0855 | 1.7 | 17 | 0125 | .6 |
| | | | | 0940 | 2.0 |
| TH | | | FR | 1725 | .9 |
| JE | | | VE | 2115 | 1.1 |
| 3 | 0115 | .6 | 18 | 0310 | .6 |
| | 1010 | 1.9 | | 1035 | 2.1 |
| FR | 1835 | 1.0 | SA | 1755 | .7 |
| VE | 2030 | 1.1 | SA | 2240 | 1.2 |
| 4 | 0255 | .6 | 19 | 0430 | .5 |
| | 1100 | 2.1 | | 1120 | 2.2 |
| SA | 1830 | .9 | SU | 1820 | .6 |
| SA | 2215 | 1.1 | DI | 2335 | 1.4 |
| 5 | 0410 | .5 | 20 | 0525 | .5 |
| | 1135 | 2.2 | | 1155 | 2.2 |
| SU | 1845 | .8 | MO | 1845 | .5 |
| DI | 2315 | 1.3 | LU | | |
| 6 | 0510 | .4 | 21 | 0015 | 1.6 |
| | 1210 | 2.3 | | 0605 | .5 |
| MO | 1900 | .6 | TU | 1230 | 2.2 |
| LU | | | MA | 1910 | .4 |
| 7 | 0005 | 1.5 | 22 | 0055 | 1.7 |
| | 0555 | .3 | | 0645 | .5 |
| TU | 1245 | 2.4 | WE | 1300 | 2.2 |
| MA | 1925 | .5 | ME | 1935 | .3 |
| 8 | 0045 | 1.6 | 23 | 0130 | 1.8 |
| | 0640 | .2 | | 0720 | .5 |
| WE | 1315 | 2.4 | TH | 1325 | 2.1 |
| ME | 1950 | .4 | JE | 1955 | .3 |
| 9 | 0130 | 1.8 | 24 | 0200 | 1.9 |
| | 0720 | .2 | | 0750 | .6 |
| TH | 1350 | 2.3 | FR | 1350 | 2.0 |
| JE | 2015 | .3 | VE | 2015 | .3 |
| 10 | 0210 | 1.9 | 25 | 0235 | 1.9 |
| | 0805 | .3 | | 0825 | .7 |
| FR | 1420 | 2.3 | SA | 1415 | 1.9 |
| VE | 2040 | .2 | SA | 2035 | .3 |
| 11 | 0255 | 2.0 | 26 | 0310 | 1.9 |
| | 0845 | .5 | | 0855 | .8 |
| SA | 1450 | 2.1 | SU | 1435 | 1.7 |
| SA | 2110 | .2 | DI | 2055 | .3 |
| 12 | 0340 | 2.0 | 27 | 0345 | 1.9 |
| | 0930 | .7 | | 0930 | .9 |
| SU | 1525 | 1.9 | MO | 1455 | 1.6 |
| DI | 2145 | .2 | LU | 2115 | .3 |
| 13 | 0430 | 2.0 | 28 | 0425 | 1.9 |
| | 1020 | .9 | | 1010 | 1.1 |
| MO | 1555 | 1.7 | TU | 1510 | 1.4 |
| LU | 2220 | .2 | MA | 2135 | .4 |
| 14 | 0530 | 2.0 | 29 | 0515 | 1.8 |
| | 1130 | 1.1 | | 1115 | 1.2 |
| TU | 1625 | 1.5 | WE | 1510 | 1.3 |
| MA | 2300 | .3 | ME | 2205 | .5 |
| 15 | 0645 | 1.9 | 30 | 0625 | 1.8 |
| | 1400 | 1.2 | | 1300 | 1.2 |
| WE | 1710 | 1.2 | TH | 1710 | 1.1 |
| ME | 2355 | .5 | JE | 2250 | .5 |
| | | | 31 | 0750 | 1.8 |
| | | | | 1720 | 1.0 |
| | | | FR | 1950 | .9 |
| | | | VE | | |

METRES

## TABLE DES MARÉES

# FORT ROSS (HNC 2+1)

1989

### APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0000 | .6 | 16 | 0245 | .8 |
| | 0905 | 1.9 | | 0945 | 2.0 |
| SA | 1725 | .9 | SU | 1710 | .5 |
| SA | 2105 | 1.0 | DI | 2245 | 1.3 |
| 2 | 0215 | .7 | 17 | 0410 | .8 |
| | 1005 | 2.0 | | 1030 | 2.0 |
| SU | 1735 | .7 | MO | 1735 | .4 |
| DI | 2225 | 1.2 | LU | 2330 | 1.5 |
| 3 | 0350 | .6 | 18 | 0505 | .8 |
| | 1050 | 2.1 | | 1110 | 2.0 |
| MO | 1750 | .5 | TU | 1800 | .3 |
| LU | 2315 | 1.4 | MA | | |
| 4 | 0455 | .5 | 19 | 0005 | 1.7 |
| | 1125 | 2.2 | | 0555 | .8 |
| TU | 1815 | .4 | WE | 1140 | 2.0 |
| MA | 2355 | 1.6 | ME | 1825 | .2 |
| 5 | 0545 | .5 | 20 | 0040 | 1.9 |
| | 1205 | 2.2 | | 0635 | .8 |
| WE | 1835 | .2 | TH | 1210 | 1.9 |
| ME | | | JE | 1845 | .2 |
| 6 | 0035 | 1.9 | 21 | 0110 | 2.0 |
| | 0630 | .4 | | 0710 | .8 |
| TH | 1235 | 2.2 | FR | 1240 | 1.8 |
| JE | 1900 | .1 | VE | 1905 | .2 |
| 7 | 0115 | 2.1 | 22 | 0145 | 2.1 |
| | 0715 | .5 | | 0745 | .8 |
| FR | 1310 | 2.1 | SA | 1305 | 1.7 |
| VE | 1930 | .0 | SA | 1925 | .2 |
| 8 | 0200 | 2.2 | 23 | 0215 | 2.1 |
| | 0800 | .5 | | 0820 | .9 |
| SA | 1345 | 1.9 | SU | 1330 | 1.6 |
| SA | 2000 | .0 | DI | 1945 | .2 |
| 9 | 0240 | 2.3 | 24 | 0250 | 2.2 |
| | 0850 | .6 | | 0900 | .9 |
| SU | 1415 | 1.8 | MO | 1355 | 1.5 |
| DI | 2030 | .0 | LU | 2005 | .2 |
| 10 | 0325 | 2.3 | 25 | 0325 | 2.2 |
| | 0940 | .8 | | 0945 | 1.0 |
| MO | 1450 | 1.6 | TU | 1420 | 1.4 |
| LU | 2100 | .1 | MA | 2030 | .2 |
| 11 | 0415 | 2.3 | 26 | 0405 | 2.2 |
| | 1040 | .9 | | 1045 | 1.1 |
| TU | 1525 | 1.4 | WE | 1440 | 1.2 |
| MA | 2135 | .2 | ME | 2100 | .3 |
| 12 | 0510 | 2.2 | 27 | 0455 | 2.1 |
| | 1215 | 1.0 | | 1235 | 1.1 |
| WE | 1600 | 1.2 | TH | 1455 | 1.1 |
| ME | 2215 | .3 | JE | 2130 | .4 |
| 13 | 0615 | 2.1 | 28 | 0555 | 2.1 |
| | 1435 | 1.0 | | 1400 | 1.0 |
| TH | 1710 | 1.0 | FR | 1735 | .9 |
| JE | 2305 | .5 | VE | 2215 | .5 |
| 14 | 0730 | 2.0 | 29 | 0700 | 2.0 |
| | 1600 | .9 | | 1555 | .9 |
| FR | 1930 | 1.0 | SA | 1855 | .9 |
| VE | | | SA | 2325 | .7 |
| 15 | 0030 | .7 | 30 | 0805 | 2.0 |
| | 0845 | 2.0 | | 1610 | .7 |
| SA | 1640 | .7 | SU | 2100 | 1.1 |
| SA | 2140 | 1.1 | DI | | |

### MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0130 | .8 | 16 | 0335 | 1.1 |
| | 0900 | 2.0 | | 0925 | 1.9 |
| MO | 1635 | .5 | TU | 1650 | .4 |
| LU | 2210 | 1.3 | MA | 2320 | 1.6 |
| 2 | 0320 | .9 | 17 | 0445 | 1.1 |
| | 0955 | 2.0 | | 1010 | 1.8 |
| TU | 1655 | .4 | WE | 1715 | .3 |
| MA | 2300 | 1.6 | ME | 2355 | 1.8 |
| 3 | 0435 | .8 | 18 | 0540 | 1.1 |
| | 1035 | 2.0 | | 1045 | 1.8 |
| WE | 1725 | .2 | TH | 1735 | .2 |
| ME | 2345 | 1.9 | JE | | |
| 4 | 0535 | .8 | 19 | 0025 | 2.0 |
| | 1115 | 2.0 | | 0625 | 1.0 |
| TH | 1750 | .1 | FR | 1120 | 1.7 |
| JE | | | VE | 1800 | .2 |
| 5 | 0025 | 2.1 | 20 | 0055 | 2.1 |
| | 0625 | .7 | | 0710 | 1.0 |
| FR | 1155 | 1.9 | SA | 1150 | 1.6 |
| VE | 1820 | .0 | SA | 1820 | .2 |
| 6 | 0105 | 2.3 | 21 | 0130 | 2.3 |
| | 0715 | .7 | | 0750 | 1.0 |
| SA | 1230 | 1.8 | SU | 1225 | 1.6 |
| SA | 1850 | −.1 | DI | 1845 | .1 |
| 7 | 0150 | 2.5 | 22 | 0200 | 2.3 |
| | 0810 | .8 | | 0830 | 1.0 |
| SU | 1310 | 1.7 | MO | 1255 | 1.5 |
| DI | 1925 | −.1 | LU | 1910 | .1 |
| 8 | 0230 | 2.5 | 23 | 0235 | 2.4 |
| | 0900 | .8 | | 0915 | 1.0 |
| MO | 1345 | 1.5 | TU | 1330 | 1.4 |
| LU | 1955 | −.1 | MA | 1935 | .1 |
| 9 | 0315 | 2.5 | 24 | 0310 | 2.4 |
| | 1000 | .9 | | 1010 | 1.0 |
| TU | 1425 | 1.4 | WE | 1400 | 1.3 |
| MA | 2030 | .1 | ME | 2005 | .2 |
| 10 | 0405 | 2.5 | 25 | 0350 | 2.4 |
| | 1105 | .9 | | 1110 | 1.0 |
| WE | 1510 | 1.2 | TH | 1445 | 1.2 |
| ME | 2105 | .2 | JE | 2040 | .3 |
| 11 | 0455 | 2.4 | 26 | 0435 | 2.4 |
| | 1230 | .9 | | 1215 | 1.0 |
| TH | 1805 | 1.1 | FR | 1540 | 1.1 |
| JE | 2145 | .4 | VE | 2120 | .4 |
| 12 | 0545 | 2.3 | 27 | 0520 | 2.3 |
| | 1355 | .8 | | 1320 | .9 |
| FR | 1735 | 1.0 | SA | 1705 | 1.0 |
| VE | 2230 | .6 | SA | 2205 | .6 |
| 13 | 0645 | 2.1 | 28 | 0615 | 2.3 |
| | 1500 | .7 | | 1410 | .8 |
| SA | 1940 | 1.0 | SU | 1850 | 1.1 |
| SA | 2340 | .9 | DI | 2310 | .8 |
| 14 | 0745 | 2.0 | 29 | 0705 | 2.2 |
| | 1545 | .6 | | 1450 | .6 |
| SU | 2135 | 1.2 | MO | 2030 | 1.2 |
| DI | | | LU | | |
| 15 | 0145 | 1.1 | 30 | 0050 | 1.0 |
| | 0840 | 2.0 | | 0800 | 2.1 |
| MO | 1620 | .5 | TU | 1530 | .5 |
| LU | 2235 | 1.4 | MA | 2145 | 1.5 |
| | | | 31 | 0245 | 1.1 |
| | | | | 0855 | 2.0 |
| | | | WE | 1605 | .3 |
| | | | ME | 2240 | 1.8 |

### JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0420 | 1.1 | 16 | 0540 | 1.3 |
| | 0945 | 1.9 | | 0945 | 1.6 |
| TH | 1635 | .2 | FR | 1650 | .4 |
| JE | 2330 | 2.1 | VE | | |
| 2 | 0530 | 1.0 | 17 | 0010 | 2.1 |
| | 1030 | 1.8 | | 0635 | 1.3 |
| FR | 1710 | .1 | SA | 1030 | 1.6 |
| VE | | | SA | 1720 | .3 |
| 3 | 0015 | 2.3 | 18 | 0045 | 2.3 |
| | 0630 | 1.0 | | 0720 | 1.2 |
| SA | 1115 | 1.7 | SU | 1115 | 1.5 |
| SA | 1750 | .0 | DI | 1745 | .2 |
| 4 | 0100 | 2.5 | 19 | 0115 | 2.4 |
| | 0730 | 1.0 | | 0805 | 1.1 |
| SU | 1200 | 1.6 | MO | 1155 | 1.4 |
| DI | 1825 | −.1 | LU | 1815 | .2 |
| 5 | 0140 | 2.7 | 20 | 0145 | 2.5 |
| | 0820 | .9 | | 0845 | 1.1 |
| MO | 1245 | 1.5 | TU | 1235 | 1.4 |
| LU | 1900 | −.1 | MA | 1845 | .2 |
| 6 | 0225 | 2.7 | 21 | 0220 | 2.6 |
| | 0915 | .9 | | 0920 | 1.0 |
| TU | 1330 | 1.4 | WE | 1320 | 1.4 |
| MA | 1940 | .0 | ME | 1920 | .2 |
| 7 | 0305 | 2.7 | 22 | 0255 | 2.7 |
| | 1005 | .9 | | 1000 | 1.0 |
| WE | 1420 | 1.3 | TH | 1405 | 1.3 |
| ME | 2015 | .2 | JE | 1955 | .2 |
| 8 | 0350 | 2.7 | 23 | 0335 | 2.7 |
| | 1100 | .9 | | 1040 | .9 |
| TH | 1515 | 1.2 | FR | 1455 | 1.3 |
| JE | 2055 | .3 | VE | 2035 | .3 |
| 9 | 0430 | 2.5 | 24 | 0410 | 2.6 |
| | 1155 | .8 | | 1120 | .9 |
| FR | 1615 | 1.2 | SA | 1555 | 1.3 |
| VE | 2130 | .5 | SA | 2115 | .5 |
| 10 | 0510 | 2.4 | 25 | 0450 | 2.5 |
| | 1255 | .8 | | 1205 | .8 |
| SA | 1730 | 1.2 | SU | 1700 | 1.3 |
| SA | 2210 | .8 | DI | 2205 | .7 |
| 11 | 0555 | 2.2 | 26 | 0530 | 2.4 |
| | 1350 | .7 | | 1245 | .7 |
| SU | 1905 | 1.2 | MO | 1820 | 1.4 |
| DI | 2300 | 1.0 | LU | 2300 | .9 |
| 12 | 0640 | 2.1 | 27 | 0615 | 2.2 |
| | 1435 | .6 | | 1335 | .6 |
| MO | 2050 | 1.3 | TU | 1945 | 1.5 |
| LU | | | MA | | |
| 13 | 0015 | 1.2 | 28 | 0020 | 1.2 |
| | 0725 | 2.0 | | 0700 | 2.0 |
| TU | 1515 | .5 | WE | 1420 | .5 |
| MA | 2210 | 1.5 | ME | 2110 | 1.7 |
| 14 | 0230 | 1.4 | 29 | 0220 | 1.3 |
| | 0810 | 1.8 | | 0755 | 1.9 |
| WE | 1550 | .5 | TH | 1510 | .4 |
| ME | 2300 | 1.7 | JE | 2220 | 2.0 |
| 15 | 0425 | 1.4 | 30 | 0420 | 1.3 |
| | 0900 | 1.7 | | 0855 | 1.7 |
| TH | 1625 | .4 | FR | 1555 | .3 |
| JE | 2340 | 1.9 | VE | 2320 | 2.3 |

METRES

# FORT ROSS (CST Z+6)

**TIDE TABLES**

1989

**JULY-JUILLET**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0545 | 1.2 | 16 | 0700 | 1.3 |
| | 0955 | 1.6 | | 0950 | 1.4 |
| SA | 1640 | .2 | SU | 1645 | .5 |
| SA | | | DI | | |
| 2 | 0005 | 2.5 | 17 | 0025 | 2.3 |
| | 0650 | 1.2 | | 0735 | 1.2 |
| SU | 1050 | 1.6 | MO | 1055 | 1.4 |
| DI | 1725 | .1 | LU | 1720 | .4 |
| 3 | 0050 | 2.7 | 18 | 0055 | 2.5 |
| | 0740 | 1.0 | | 0800 | 1.1 |
| MO | 1150 | 1.5 | TU | 1150 | 1.4 |
| LU | 1810 | .1 | MA | 1800 | .3 |
| 4 | 0130 | 2.8 | 19 | 0130 | 2.6 |
| | 0825 | .9 | | 0830 | 1.0 |
| TU | 1240 | 1.5 | WE | 1240 | 1.4 |
| MA | 1850 | .1 | ME | 1835 | .3 |
| 5 | 0210 | 2.8 | 20 | 0200 | 2.7 |
| | 0905 | .9 | | 0855 | .9 |
| WE | 1335 | 1.5 | TH | 1325 | 1.5 |
| ME | 1930 | .2 | JE | 1915 | .2 |
| 6 | 0250 | 2.8 | 21 | 0235 | 2.7 |
| | 0945 | .8 | | 0925 | .9 |
| TH | 1425 | 1.5 | FR | 1410 | 1.6 |
| JE | 2010 | .3 | VE | 1955 | .3 |
| 7 | 0325 | 2.7 | 22 | 0305 | 2.7 |
| | 1025 | .8 | | 0955 | .8 |
| FR | 1515 | 1.5 | SA | 1455 | 1.6 |
| VE | 2045 | .5 | SA | 2035 | .4 |
| 8 | 0400 | 2.6 | 23 | 0340 | 2.7 |
| | 1105 | .7 | | 1025 | .7 |
| SA | 1605 | 1.4 | SU | 1545 | 1.6 |
| SA | 2120 | .7 | DI | 2115 | .6 |
| 9 | 0435 | 2.4 | 24 | 0415 | 2.5 |
| | 1145 | .7 | | 1100 | .7 |
| SU | 1705 | 1.4 | MO | 1640 | 1.6 |
| DI | 2155 | .9 | LU | 2200 | .8 |
| 10 | 0505 | 2.3 | 25 | 0450 | 2.3 |
| | 1225 | .7 | | 1135 | .6 |
| MO | 1810 | 1.4 | TU | 1745 | 1.7 |
| LU | 2230 | 1.1 | MA | 2250 | 1.0 |
| 11 | 0535 | 2.1 | 26 | 0525 | 2.1 |
| | 1310 | .7 | | 1220 | .6 |
| TU | 1935 | 1.5 | WE | 1905 | 1.8 |
| MA | 2310 | 1.3 | ME | | |
| 12 | 0610 | 1.9 | 27 | 0005 | 1.3 |
| | 1355 | .7 | | 0605 | 1.9 |
| WE | 2120 | 1.6 | TH | 1315 | .5 |
| ME | | | JE | 2035 | 1.9 |
| 13 | 0025 | 1.5 | 28 | 0220 | 1.5 |
| | 0640 | 1.8 | | 0700 | 1.7 |
| TH | 1440 | .6 | FR | 1415 | .5 |
| JE | 2240 | 1.8 | VE | 2200 | 2.1 |
| 14 | 0440 | 1.6 | 29 | 0450 | 1.4 |
| | 0730 | 1.6 | | 0610 | 1.6 |
| FR | 1525 | .6 | SA | 1520 | .4 |
| VE | 2325 | 2.0 | SA | 2305 | 2.3 |
| 15 | 0615 | 1.5 | 30 | 0605 | 1.3 |
| | 0835 | 1.5 | | 0935 | 1.5 |
| SA | 1605 | .5 | SU | 1620 | .4 |
| SA | 2355 | 2.1 | DI | 2355 | 2.5 |
| | | | 31 | 0655 | 1.1 |
| | | | | 1050 | 1.5 |
| | | | MO | 1715 | .3 |
| | | | LU | | |

**AUGUST-AOUT**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0035 | 2.7 | 16 | 0030 | 2.5 |
| | 0730 | 1.0 | | 0730 | 1.0 |
| TU | 1155 | 1.5 | WE | 1155 | 1.5 |
| MA | 1805 | .3 | ME | 1750 | .4 |
| 2 | 0115 | 2.7 | 17 | 0100 | 2.6 |
| | 0805 | .9 | | 0750 | .9 |
| WE | 1245 | 1.6 | TH | 1240 | 1.6 |
| ME | 1845 | .3 | JE | 1830 | .4 |
| 3 | 0150 | 2.7 | 18 | 0130 | 2.7 |
| | 0835 | .8 | | 0810 | .8 |
| TH | 1335 | 1.7 | FR | 1320 | 1.7 |
| JE | 1925 | .3 | VE | 1910 | .4 |
| 4 | 0220 | 2.7 | 19 | 0200 | 2.7 |
| | 0905 | .7 | | 0835 | .7 |
| FR | 1420 | 1.7 | SA | 1400 | 1.9 |
| VE | 2005 | .5 | SA | 1950 | .4 |
| 5 | 0255 | 2.6 | 20 | 0235 | 2.6 |
| | 0935 | .7 | | 0900 | .6 |
| SA | 1500 | 1.7 | SU | 1445 | 1.9 |
| SA | 2040 | .6 | DI | 2030 | .5 |
| 6 | 0325 | 2.5 | 21 | 0305 | 2.5 |
| | 1005 | .7 | | 0930 | .5 |
| SU | 1545 | 1.7 | MO | 1530 | 2.0 |
| DI | 2110 | .8 | LU | 2110 | .7 |
| 7 | 0350 | 2.3 | 22 | 0335 | 2.3 |
| | 1035 | .7 | | 1000 | .5 |
| MO | 1630 | 1.7 | TU | 1620 | 2.0 |
| LU | 2140 | 1.0 | MA | 2155 | .9 |
| 8 | 0415 | 2.2 | 23 | 0405 | 2.1 |
| | 1105 | .7 | | 1035 | .5 |
| TU | 1720 | 1.6 | WE | 1720 | 2.0 |
| MA | 2210 | 1.2 | ME | 2250 | 1.1 |
| 9 | 0440 | 2.0 | 24 | 0440 | 1.9 |
| | 1135 | .7 | | 1115 | .5 |
| WE | 1825 | 1.6 | TH | 1835 | 2.0 |
| ME | 2240 | 1.4 | JE | | |
| 10 | 0455 | 1.8 | 25 | 0015 | 1.4 |
| | 1210 | .8 | | 0515 | 1.7 |
| TH | 1955 | 1.7 | FR | 1210 | .5 |
| JE | 2330 | 1.6 | VE | 2005 | 2.0 |
| 11 | 0450 | 1.7 | 26 | 0315 | 1.4 |
| | 1255 | .8 | | 0615 | 1.5 |
| FR | 2145 | 1.8 | SA | 1320 | .6 |
| VE | | | SA | 2135 | 2.2 |
| 12 | 1405 | .8 | 27 | 0515 | 1.3 |
| | 2250 | 2.0 | | 0805 | 1.4 |
| SA | | | SU | 1450 | .6 |
| SA | | | DI | 2240 | 2.3 |
| 13 | 0620 | 1.4 | 28 | 0600 | 1.1 |
| | 0915 | 1.3 | | 0955 | 1.4 |
| SU | 1515 | .7 | MO | 1610 | .6 |
| DI | 2325 | 2.2 | LU | 2330 | 2.4 |
| 14 | 0700 | 1.2 | 29 | 0630 | .9 |
| | 0950 | 1.3 | | 1105 | 1.5 |
| MO | 1615 | .6 | TU | 1710 | .5 |
| LU | 2355 | 2.3 | MA | | |
| 15 | 0710 | 1.1 | 30 | 0010 | 2.5 |
| | 1100 | 1.4 | | 0700 | .8 |
| TU | 1705 | .5 | WE | 1200 | 1.6 |
| MA | | | ME | 1800 | .5 |
| | | | 31 | 0045 | 2.6 |
| | | | | 0730 | .7 |
| | | | TH | 1245 | 1.8 |
| | | | JE | 1840 | .5 |

**SEPTEMBER-SEPTEMBRE**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0115 | 2.6 | 16 | 0050 | 2.5 |
| | 0755 | .6 | | 0725 | .5 |
| FR | 1325 | 1.9 | SA | 1310 | 2.0 |
| VE | 1920 | .5 | SA | 1905 | .5 |
| 2 | 0145 | 2.5 | 17 | 0125 | 2.4 |
| | 0820 | .5 | | 0750 | .4 |
| SA | 1405 | 2.0 | SU | 1350 | 2.2 |
| SA | 1955 | .6 | DI | 1945 | .5 |
| 3 | 0215 | 2.4 | 18 | 0155 | 2.3 |
| | 0845 | .5 | | 0815 | .3 |
| SU | 1440 | 2.0 | MO | 1430 | 2.3 |
| DI | 2030 | .7 | LU | 2030 | .7 |
| 4 | 0240 | 2.3 | 19 | 0225 | 2.2 |
| | 0910 | .5 | | 0845 | .3 |
| MO | 1520 | 2.0 | TU | 1515 | 2.3 |
| LU | 2100 | .9 | MA | 2110 | .8 |
| 5 | 0305 | 2.1 | 20 | 0300 | 2.0 |
| | 0930 | .5 | | 0915 | .3 |
| TU | 1600 | 2.0 | WE | 1605 | 2.3 |
| MA | 2130 | 1.0 | ME | 2205 | 1.0 |
| 6 | 0325 | 2.0 | 21 | 0330 | 1.8 |
| | 0950 | .6 | | 0950 | .3 |
| WE | 1640 | 1.9 | TH | 1700 | 2.3 |
| ME | 2200 | 1.2 | JE | 2310 | 1.2 |
| 7 | 0345 | 1.8 | 22 | 0405 | 1.6 |
| | 1015 | .6 | | 1025 | .5 |
| TH | 1730 | 1.8 | FR | 1805 | 2.2 |
| JE | 2240 | 1.4 | VE | | |
| 8 | 0345 | 1.6 | 23 | 0105 | 1.3 |
| | 1040 | .7 | | 0445 | 1.4 |
| FR | 1845 | 1.6 | SA | 1115 | .6 |
| VE | | | SA | 1930 | 2.2 |
| 9 | 0040 | 1.5 | 24 | 0350 | 1.2 |
| | 0120 | 1.5 | | 0615 | 1.2 |
| SA | 1115 | .8 | SU | 1230 | .7 |
| SA | 2020 | 1.9 | DI | 2050 | 2.2 |
| 10 | 1220 | .9 | 25 | 0450 | 1.0 |
| | 2145 | 2.0 | | 0640 | 1.2 |
| SU | | | MO | 1425 | .8 |
| DI | | | LU | 2200 | 2.3 |
| 11 | 0635 | 1.2 | 26 | 0525 | .9 |
| | 0810 | 1.2 | | 1015 | 1.4 |
| MO | 1420 | .9 | TU | 1555 | .8 |
| LU | 2235 | 2.2 | MA | 2250 | 2.3 |
| 12 | 0615 | 1.0 | 27 | 0555 | .7 |
| | 1010 | 1.3 | | 1115 | 1.6 |
| TU | 1550 | .8 | WE | 1700 | .7 |
| MA | 2315 | 2.3 | ME | 2330 | 2.3 |
| 13 | 0625 | .9 | 28 | 0620 | .6 |
| | 1105 | 1.4 | | 1200 | 1.8 |
| WE | 1650 | .7 | TH | 1750 | .7 |
| ME | 2345 | 2.4 | JE | | |
| 14 | 0640 | .8 | 29 | 0005 | 2.3 |
| | 1150 | 1.6 | | 0645 | .5 |
| TH | 1740 | .6 | FR | 1240 | 2.0 |
| JE | | | VE | 1835 | .7 |
| 15 | 0020 | 2.5 | 30 | 0035 | 2.3 |
| | 0700 | .6 | | 0710 | .4 |
| FR | 1230 | 1.8 | SA | 1315 | 2.1 |
| VE | 1820 | .5 | SA | 1910 | .7 |



**METRES**

## TABLE DES MARÉES

## FORT ROSS (HNC / Z+6)

1989

**OCTOBER-OCTOBRE**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| **1** SU DI | 0105<br>0735<br>1350<br>1945 | 2.2<br>.4<br>2.2<br>.8 | **16** MO LU | 0045<br>0705<br>1340<br>1945 | 2.1<br>.2<br>2.4<br>.7 |
| **2** MO LU | 0130<br>0755<br>1425<br>2020 | 2.1<br>.4<br>2.2<br>.9 | **17** TU MA | 0120<br>0735<br>1420<br>2030 | 2.0<br>.1<br>2.5<br>.8 |
| **3** TU MA | 0200<br>0815<br>1455<br>2055 | 2.0<br>.4<br>2.2<br>1.0 | **18** WE ME | 0150<br>0805<br>1505<br>2125 | 1.9<br>.1<br>2.6<br>.9 |
| **4** WE ME | 0220<br>0835<br>1535<br>2130 | 1.8<br>.4<br>2.2<br>1.1 | **19** TH JE | 0225<br>0835<br>1555<br>2225 | 1.7<br>.2<br>2.5<br>1.0 |
| **5** TH JE | 0240<br>0855<br>1610<br>2215 | 1.7<br>.5<br>2.1<br>1.2 | **20** FR VE | 0300<br>0910<br>1645<br>2345 | 1.6<br>.2<br>2.4<br>1.1 |
| **6** FR VE | 0255<br>0915<br>1700<br>2325 | 1.6<br>.5<br>2.1<br>1.3 | **21** SA SA | 0345<br>0950<br>1745 | 1.4<br>.4<br>2.3 |
| **7** SA SA | 0255<br>0940<br>1800 | 1.4<br>.6<br>2.0 | **22** SU DI | 0135<br>0450<br>1035<br>1850 | 1.1<br>1.2<br>.6<br>2.3 |
| **8** SU DI | 1015<br>1915 | .7<br>2.0 | **23** MO LU | 0310<br>0850<br>1150<br>2000 | 1.0<br>1.1<br>.8<br>2.2 |
| **9** MO LU | 1110<br>2030 | .9<br>2.1 | **24** TU MA | 0400<br>0855<br>1350<br>2105 | .8<br>1.2<br>1.0<br>2.2 |
| **10** TU MA | 0510<br>0845<br>1315<br>2130 | 1.0<br>1.1<br>.9<br>2.1 | **25** WE ME | 0435<br>1020<br>1535<br>2155 | .7<br>1.4<br>1.0<br>2.1 |
| **11** WE ME | 0515<br>1010<br>1515<br>2215 | .9<br>1.3<br>.9<br>2.2 | **26** TH JE | 0510<br>1110<br>1645<br>2240 | .5<br>1.7<br>1.0<br>2.1 |
| **12** TH JE | 0530<br>1100<br>1630<br>2300 | .7<br>1.5<br>.9<br>2.3 | **27** FR VE | 0535<br>1150<br>1735<br>2315 | .4<br>1.9<br>1.0<br>2.0 |
| **13** FR VE | 0550<br>1140<br>1725<br>2335 | .6<br>1.8<br>.8<br>2.3 | **28** SA SA | 0600<br>1225<br>1820<br>2350 | .3<br>2.0<br>.9<br>2.0 |
| **14** SA SA | 0610<br>1220<br>1810 | .4<br>2.0<br>.7 | **29** SU DI | 0625<br>1300<br>1905 | .3<br>2.2<br>.9 |
| **15** SU DI | 0010<br>0635<br>1300<br>1900 | 2.2<br>.3<br>2.3<br>.7 | **30** MO LU | 0020<br>0645<br>1335<br>1940 | 1.9<br>.2<br>2.3<br>1.0 |
| | | | **31** TU MA | 0050<br>0710<br>1405<br>2020 | 1.8<br>.2<br>2.3<br>1.0 |

**NOVEMBER-NOVEMBRE**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| **1** WE ME | 0115<br>0730<br>1440<br>2100 | 1.7<br>.2<br>2.3<br>1.1 | **16** TH JE | 0125<br>0735<br>1455<br>2140 | 1.6<br>.0<br>2.7<br>.9 |
| **2** TH JE | 0140<br>0750<br>1515<br>2150 | 1.6<br>.3<br>2.3<br>1.1 | **17** FR VE | 0205<br>0810<br>1540<br>2240 | 1.5<br>.1<br>2.7<br>1.0 |
| **3** FR VE | 0205<br>0815<br>1555<br>2250 | 1.5<br>.3<br>2.3<br>1.2 | **18** SA SA | 0255<br>0850<br>1630<br>2350 | 1.4<br>.2<br>2.6<br>.9 |
| **4** SA SA | 0230<br>0840<br>1635 | 1.3<br>.4<br>2.3 | **19** SU DI | 0350<br>0930<br>1720 | 1.2<br>.4<br>2.5 |
| **5** SU DI | 0020<br>0300<br>0910<br>1725 | 1.2<br>1.2<br>.5<br>2.3 | **20** MO LU | 0105<br>0510<br>1015<br>1810 | .9<br>1.2<br>.7<br>2.3 |
| **6** MO LU | 0230<br>0355<br>0950<br>1825 | 1.1<br>1.1<br>.6<br>2.2 | **21** TU MA | 0210<br>0650<br>1115<br>1905 | .8<br>1.2<br>.9<br>2.2 |
| **7** TU MA | 0320<br>0620<br>1045<br>1925 | 1.0<br>1.0<br>.8<br>2.2 | **22** WE ME | 0300<br>0840<br>1255<br>2000 | .7<br>1.3<br>1.1<br>2.1 |
| **8** WE ME | 0345<br>0825<br>1225<br>2025 | .9<br>1.2<br>1.0<br>2.1 | **23** TH JE | 0345<br>1005<br>1455<br>2050 | .6<br>1.5<br>1.2<br>2.0 |
| **9** TH JE | 0405<br>0945<br>1435<br>2115 | .7<br>1.4<br>1.1<br>2.1 | **24** FR VE | 0420<br>1055<br>1620<br>2135 | .5<br>1.7<br>1.2<br>1.9 |
| **10** FR VE | 0430<br>1040<br>1605<br>2205 | .5<br>1.6<br>1.0<br>2.1 | **25** SA SA | 0450<br>1140<br>1725<br>2220 | .4<br>1.9<br>1.2<br>1.8 |
| **11** SA SA | 0455<br>1125<br>1710<br>2245 | .4<br>2.0<br>1.0<br>2.0 | **26** SU DI | 0515<br>1215<br>1820<br>2300 | .3<br>2.1<br>1.2<br>1.7 |
| **12** SU DI | 0525<br>1205<br>1805<br>2325 | .2<br>2.2<br>.9<br>2.0 | **27** MO LU | 0545<br>1245<br>1905<br>2335 | .2<br>2.2<br>1.1<br>1.6 |
| **13** MO LU | 0555<br>1245<br>1900 | .1<br>2.4<br>.9 | **28** TU MA | 0605<br>1320<br>1950 | .2<br>2.3<br>1.1 |
| **14** TU MA | 0005<br>0630<br>1330<br>1950 | 1.9<br>.0<br>2.6<br>.9 | **29** WE ME | 0010<br>0630<br>1350<br>2035 | 1.6<br>.2<br>2.4<br>1.1 |
| **15** WE ME | 0045<br>0700<br>1410<br>2045 | 1.7<br>.0<br>2.7<br>.9 | **30** TH JE | 0045<br>0655<br>1425<br>2115 | 1.5<br>.2<br>2.5<br>1.1 |

**DECEMBER-DECEMBRE**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| **1** FR VE | 0120<br>0725<br>1500<br>2205 | 1.4<br>.2<br>2.5<br>1.0 | **16** SA SA | 0205<br>0800<br>1525<br>2230 | 1.4<br>.1<br>2.7<br>.8 |
| **2** SA SA | 0155<br>0755<br>1535<br>2255 | 1.3<br>.3<br>2.5<br>1.0 | **17** SU DI | 0255<br>0840<br>1605<br>2320 | 1.3<br>.3<br>2.6<br>.8 |
| **3** SU DI | 0235<br>0825<br>1615<br>2345 | 1.2<br>.3<br>2.5<br>1.0 | **18** MO LU | 0355<br>0920<br>1650 | 1.3<br>.5<br>2.5 |
| **4** MO LU | 0330<br>0900<br>1655 | 1.2<br>.5<br>2.4 | **19** TU MA | 0010<br>0500<br>1005<br>1730 | .7<br>1.3<br>.7<br>2.3 |
| **5** TU MA | 0040<br>0440<br>0945<br>1740 | .9<br>1.1<br>.6<br>2.3 | **20** WE ME | 0100<br>0620<br>1050<br>1810 | .7<br>1.3<br>.9<br>2.1 |
| **6** WE ME | 0130<br>0610<br>1040<br>1830 | .8<br>1.2<br>.8<br>2.2 | **21** TH JE | 0150<br>0755<br>1150<br>1850 | .6<br>1.3<br>1.2<br>2.0 |
| **7** TH JE | 0210<br>0745<br>1155<br>1920 | .7<br>1.3<br>1.0<br>2.1 | **22** FR VE | 0240<br>0930<br>1345<br>1935 | .5<br>1.5<br>1.4<br>1.8 |
| **8** FR VE | 0250<br>0910<br>1350<br>2015 | .6<br>1.5<br>1.2<br>2.0 | **23** SA SA | 0320<br>1040<br>1605<br>2025 | .5<br>1.7<br>1.4<br>1.7 |
| **9** SA SA | 0330<br>1015<br>1540<br>2105 | .4<br>1.8<br>1.2<br>1.9 | **24** SU DI | 0400<br>1125<br>1735<br>2115 | .4<br>1.9<br>1.4<br>1.6 |
| **10** SU DI | 0405<br>1105<br>1705<br>2200 | .3<br>2.0<br>1.2<br>1.8 | **25** MO LU | 0435<br>1205<br>1835<br>2210 | .4<br>2.1<br>1.3<br>1.5 |
| **11** MO LU | 0445<br>1155<br>1815<br>2250 | .2<br>2.3<br>1.1<br>1.7 | **26** TU MA | 0505<br>1235<br>1925<br>2300 | .3<br>2.2<br>1.2<br>1.4 |
| **12** TU MA | 0525<br>1240<br>1910<br>2335 | .0<br>2.5<br>1.0<br>1.6 | **27** WE ME | 0535<br>1305<br>2000<br>2345 | .2<br>2.4<br>1.1<br>1.4 |
| **13** WE ME | 0600<br>1320<br>2005 | .0<br>2.7<br>1.0 | **28** TH JE | 0605<br>1335<br>2040 | .2<br>2.5<br>1.0 |
| **14** TH JE | 0025<br>0640<br>1405<br>2055 | 1.5<br>−.1<br>2.8<br>.9 | **29** FR VE | 0030<br>0635<br>1410<br>2110 | 1.3<br>.2<br>2.6<br>.9 |
| **15** FR VE | 0115<br>0720<br>1445<br>2140 | 1.5<br>.0<br>2.8<br>.9 | **30** SA SA | 0115<br>0710<br>1440<br>2145 | 1.3<br>.2<br>2.6<br>.9 |
| | | | **31** SU DI | 0155<br>0745<br>1515<br>2215 | 1.3<br>.2<br>2.6<br>.9 |

**METRES**

# FALSE STRAIT (CST)

1989

## JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0155 | 1.0 | 16 | 0225 | 1.0 |
| | 0850 | .7 | | 0845 | .7 |
| SU | 1605 | 1.1 | MO | 1535 | 1.1 |
| DI | 2245 | .9 | LU | 2225 | .8 |
| 2 | 0250 | 1.0 | 17 | 0335 | 1.0 |
| | 0920 | .8 | | 0930 | .8 |
| MO | 1650 | 1.1 | TU | 1635 | 1.1 |
| LU | | | MA | | |
| 3 | 0035 | .9 | 18 | 0010 | .8 |
| | 0410 | .9 | | 0515 | .9 |
| TU | 1010 | .8 | WE | 1040 | .8 |
| MA | 1740 | 1.1 | ME | 1735 | 1.1 |
| 4 | 0140 | .8 | 19 | 0135 | .7 |
| | 0600 | .9 | | 0740 | .9 |
| WE | 1140 | .9 | TH | 1220 | .9 |
| ME | 1830 | 1.1 | JE | 1845 | 1.2 |
| 5 | 0225 | .8 | 20 | 0235 | .6 |
| | 0910 | .9 | | 0930 | .9 |
| TH | 1300 | .9 | FR | 1340 | .9 |
| JE | 1915 | 1.2 | VE | 1945 | 1.2 |
| 6 | 0305 | .7 | 21 | 0320 | .6 |
| | 1005 | .9 | | 1015 | 1.0 |
| FR | 1355 | .9 | SA | 1440 | .8 |
| VE | 1955 | 1.2 | SA | 2040 | 1.2 |
| 7 | 0340 | .6 | 22 | 0400 | .5 |
| | 1035 | 1.0 | | 1050 | 1.0 |
| SA | 1445 | .9 | SU | 1525 | .8 |
| SA | 2035 | 1.2 | DI | 2125 | 1.2 |
| 8 | 0410 | .5 | 23 | 0435 | .5 |
| | 1100 | 1.0 | | 1120 | 1.0 |
| SU | 1525 | .9 | MO | 1610 | .8 |
| DI | 2115 | 1.2 | LU | 2210 | 1.2 |
| 9 | 0445 | .5 | 24 | 0510 | .5 |
| | 1125 | 1.0 | | 1150 | 1.1 |
| MO | 1605 | .9 | TU | 1650 | .8 |
| LU | 2155 | 1.2 | MA | 2245 | 1.2 |
| 10 | 0515 | .5 | 25 | 0540 | .5 |
| | 1155 | 1.0 | | 1220 | 1.1 |
| TU | 1645 | .8 | WE | 1730 | .8 |
| MA | 2235 | 1.2 | ME | 2320 | 1.2 |
| 11 | 0550 | .5 | 26 | 0610 | .5 |
| | 1220 | 1.1 | | 1245 | 1.1 |
| WE | 1725 | .8 | TH | 1805 | .8 |
| ME | 2315 | 1.2 | JE | 2350 | 1.2 |
| 12 | 0625 | .5 | 27 | 0640 | .6 |
| | 1255 | 1.1 | | 1310 | 1.1 |
| TH | 1805 | .8 | FR | 1840 | .8 |
| JE | | | VE | | |
| 13 | 0000 | 1.2 | 28 | 0020 | 1.1 |
| | 0655 | .5 | | 0700 | .6 |
| FR | 1325 | 1.1 | SA | 1340 | 1.1 |
| VE | 1850 | .8 | SA | 1920 | .8 |
| 14 | 0045 | 1.2 | 29 | 0050 | 1.1 |
| | 0730 | .6 | | 0725 | .7 |
| SA | 1405 | 1.1 | SU | 1405 | 1.1 |
| SA | 1940 | .8 | DI | 2000 | .8 |
| 15 | 0130 | 1.1 | 30 | 0125 | 1.0 |
| | 0805 | .6 | | 0740 | .7 |
| SU | 1450 | 1.1 | MO | 1440 | 1.1 |
| DI | 2050 | .8 | LU | 2100 | .8 |
| | | | 31 | 0205 | .9 |
| | | | | 0755 | .8 |
| | | | TU | 1520 | 1.1 |
| | | | MA | 2300 | .8 |

## FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0305 | .9 | 16 | 0505 | .9 |
| | 0755 | .8 | | 0635 | .8 |
| WE | 1610 | 1.1 | TH | 1650 | 1.1 |
| ME | | | JE | | |
| 2 | 0110 | .8 | 17 | 0120 | .7 |
| | 0515 | .8 | | 0925 | .9 |
| TH | 0715 | .8 | FR | 1215 | .9 |
| JE | 1720 | 1.1 | VE | 1820 | 1.1 |
| 3 | 0205 | .7 | 18 | 0220 | .6 |
| | 1110 | .9 | | 0945 | .9 |
| FR | 1220 | .9 | SA | 1345 | .8 |
| VE | 1830 | 1.1 | SA | 1940 | 1.1 |
| 4 | 0245 | .7 | 19 | 0305 | .5 |
| | 1030 | .9 | | 1005 | 1.0 |
| SA | 1355 | .9 | SU | 1445 | .6 |
| SA | 1935 | 1.1 | DI | 2040 | 1.1 |
| 5 | 0320 | .6 | 20 | 0340 | .5 |
| | 1035 | .9 | | 1030 | 1.0 |
| SU | 1445 | .9 | MO | 1530 | .8 |
| DI | 2025 | 1.2 | LU | 2125 | 1.1 |
| 6 | 0355 | .5 | 21 | 0415 | .5 |
| | 1045 | 1.0 | | 1055 | 1.0 |
| MO | 1525 | .8 | TU | 1605 | .7 |
| LU | 2110 | 1.2 | MA | 2200 | 1.2 |
| 7 | 0425 | .5 | 22 | 0445 | .5 |
| | 1100 | 1.0 | | 1115 | 1.1 |
| TU | 1605 | .8 | WE | 1645 | .7 |
| MA | 2155 | 1.2 | ME | 2235 | 1.1 |
| 8 | 0455 | .5 | 23 | 0510 | .5 |
| | 1120 | 1.0 | | 1135 | 1.1 |
| WE | 1640 | .7 | TH | 1715 | .7 |
| ME | 2235 | 1.2 | JE | 2305 | 1.1 |
| 9 | 0525 | .5 | 24 | 0535 | .5 |
| | 1145 | 1.1 | | 1155 | 1.1 |
| TH | 1720 | .7 | FR | 1745 | .7 |
| JE | 2310 | 1.2 | VE | 2335 | 1.1 |
| 10 | 0555 | .5 | 25 | 0600 | .6 |
| | 1210 | 1.1 | | 1215 | 1.1 |
| FR | 1755 | .7 | SA | 1820 | .7 |
| VE | 2350 | 1.2 | SA | | |
| 11 | 0625 | .5 | 26 | 0000 | 1.0 |
| | 1240 | 1.1 | | 0620 | .6 |
| SA | 1835 | .7 | SU | 1240 | 1.1 |
| SA | | | DI | 1850 | .7 |
| 12 | 0030 | 1.1 | 27 | 0030 | 1.0 |
| | 0655 | .6 | | 0635 | .6 |
| SU | 1315 | 1.1 | MO | 1300 | 1.1 |
| DI | 1925 | .7 | LU | 1925 | .7 |
| 13 | 0115 | 1.0 | 28 | 0100 | .9 |
| | 0725 | .6 | | 0650 | .7 |
| MO | 1355 | 1.1 | TU | 1330 | 1.1 |
| LU | 2020 | .7 | MA | 2005 | .7 |
| 14 | 0205 | 1.0 | | | |
| | 0750 | .7 | | | |
| TU | 1440 | 1.1 | | | |
| MA | 2140 | .7 | | | |
| 15 | 0310 | .9 | | | |
| | 0815 | .8 | | | |
| WE | 1535 | 1.1 | | | |
| ME | 2340 | .7 | | | |

## MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0140 | .9 | 16 | 0310 | .9 |
| | 0655 | .7 | | 0720 | .8 |
| WE | 1405 | 1.0 | TH | 1445 | 1.0 |
| ME | 2115 | .7 | JE | 2310 | .7 |
| 2 | 0240 | .8 | 17 | 0500 | .8 |
| | 0650 | .8 | | 1130 | .9 |
| TH | 1450 | 1.0 | FR | 1610 | 1.0 |
| JE | | | VE | | |
| 3 | 0010 | .7 | 18 | 0055 | .6 |
| | 1610 | 1.0 | | 0910 | .9 |
| FR | | | SA | 1235 | .9 |
| VE | | | SA | 1755 | 1.0 |
| 4 | 0130 | .7 | 19 | 0155 | .6 |
| | 1045 | .9 | | 0915 | .9 |
| SA | 1240 | .9 | SU | 1355 | .8 |
| SA | 1750 | 1.0 | DI | 1930 | 1.0 |
| 5 | 0215 | .6 | 20 | 0235 | .5 |
| | 1000 | .9 | | 0935 | 1.0 |
| SU | 1400 | .9 | MO | 1445 | .7 |
| DI | 1915 | 1.0 | LU | 2030 | 1.0 |
| 6 | 0250 | .5 | 21 | 0310 | .5 |
| | 0955 | .9 | | 0950 | 1.0 |
| MO | 1440 | .8 | TU | 1520 | .7 |
| LU | 2015 | 1.1 | MA | 2115 | 1.0 |
| 7 | 0325 | .5 | 22 | 0340 | .5 |
| | 1000 | 1.0 | | 1010 | 1.0 |
| TU | 1520 | .7 | WE | 1555 | .6 |
| MA | 2105 | 1.1 | ME | 2150 | 1.1 |
| 8 | 0355 | .5 | 23 | 0410 | .5 |
| | 1020 | 1.0 | | 1030 | 1.1 |
| WE | 1555 | .7 | TH | 1630 | .6 |
| ME | 2145 | 1.1 | JE | 2220 | 1.0 |
| 9 | 0425 | .5 | 24 | 0435 | .5 |
| | 1040 | 1.1 | | 1050 | 1.1 |
| TH | 1630 | .6 | FR | 1700 | .6 |
| JE | 2225 | 1.1 | VE | 2250 | 1.0 |
| 10 | 0455 | .5 | 25 | 0455 | .5 |
| | 1105 | 1.1 | | 1105 | 1.1 |
| FR | 1705 | .6 | SA | 1725 | .6 |
| VE | 2305 | 1.1 | SA | 2315 | 1.0 |
| 11 | 0525 | .5 | 26 | 0520 | .6 |
| | 1130 | 1.1 | | 1125 | 1.1 |
| SA | 1745 | .5 | SU | 1755 | .6 |
| SA | 2340 | 1.1 | DI | 2345 | 1.0 |
| 12 | 0550 | .5 | 27 | 0535 | .6 |
| | 1200 | 1.1 | | 1145 | 1.1 |
| SU | 1820 | .5 | MO | 1825 | .6 |
| DI | | | LU | | |
| 13 | 0020 | 1.0 | 28 | 0015 | .9 |
| | 0620 | .6 | | 0555 | .7 |
| MO | 1230 | 1.1 | TU | 1210 | 1.1 |
| LU | 1905 | .6 | MA | 1900 | .6 |
| 14 | 0105 | 1.0 | 29 | 0050 | .9 |
| | 0645 | .7 | | 0605 | .7 |
| TU | 1305 | 1.1 | WE | 1235 | 1.1 |
| MA | 1955 | .6 | ME | 1940 | .6 |
| 15 | 0155 | .9 | 30 | 0140 | .9 |
| | 0705 | .7 | | 0615 | .7 |
| WE | 1350 | 1.1 | TH | 1305 | 1.0 |
| ME | 2110 | .6 | JE | 2040 | .6 |
| | | | 31 | 0305 | .8 |
| | | | | 0610 | .8 |
| | | | FR | 1355 | 1.0 |
| | | | VE | 2245 | .7 |

METRES

# TABLE DES MARÉES

# FALSE STRAIT (HAKAI PASSAGE)

1989

## APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 1520 | 1.0 | 16 | 0005 | .6 |
| | | | | 0805 | .9 |
| SA | | | SU | 1245 | .8 |
| SA | | | DI | 1725 | .9 |
| 2 | 0035 | .6 | 17 | 0105 | .6 |
| | 0930 | .9 | | 0825 | 1.0 |
| SU | 1250 | .9 | MO | 1350 | .8 |
| DI | 1715 | .9 | LU | 1905 | .9 |
| 3 | 0130 | .6 | 18 | 0150 | .6 |
| | 0855 | .9 | | 0845 | 1.0 |
| MO | 1350 | .8 | TU | 1430 | .7 |
| LU | 1850 | 1.0 | MA | 2010 | .9 |
| 4 | 0210 | .5 | 19 | 0230 | .6 |
| | 0855 | 1.0 | | 0905 | 1.0 |
| TU | 1430 | .7 | WE | 1505 | .6 |
| MA | 2000 | 1.0 | ME | 2055 | 1.0 |
| 5 | 0245 | .5 | 20 | 0300 | .6 |
| | 0910 | 1.0 | | 0925 | 1.1 |
| WE | 1505 | .6 | TH | 1540 | .6 |
| ME | 2050 | 1.0 | JE | 2130 | 1.0 |
| 6 | 0320 | .5 | 21 | 0330 | .6 |
| | 0930 | 1.1 | | 0945 | 1.1 |
| TH | 1540 | .6 | FR | 1610 | .6 |
| JE | 2135 | 1.1 | VE | 2205 | 1.0 |
| 7 | 0350 | .5 | 22 | 0355 | .6 |
| | 0955 | 1.1 | | 1000 | 1.1 |
| FR | 1615 | .5 | SA | 1640 | .5 |
| VE | 2215 | 1.1 | SA | 2235 | 1.0 |
| 8 | 0420 | .5 | 23 | 0420 | .6 |
| | 1025 | 1.1 | | 1020 | 1.1 |
| SA | 1655 | .5 | SU | 1710 | .5 |
| SA | 2255 | 1.0 | DI | 2305 | .9 |
| 9 | 0450 | .6 | 24 | 0440 | .7 |
| | 1050 | 1.2 | | 1045 | 1.1 |
| SU | 1730 | .5 | MO | 1740 | .5 |
| DI | 2335 | 1.0 | LU | 2340 | .9 |
| 10 | 0515 | .6 | 25 | 0500 | .7 |
| | 1120 | 1.2 | | 1105 | 1.1 |
| MO | 1810 | .5 | TU | 1810 | .5 |
| LU | | | MA | | |
| 11 | 0015 | 1.0 | 26 | 0015 | .9 |
| | 0545 | .6 | | 0520 | .7 |
| TU | 1155 | 1.2 | WE | 1130 | 1.1 |
| MA | 1855 | .5 | ME | 1845 | .5 |
| 12 | 0105 | .9 | 27 | 0100 | .9 |
| | 0610 | .7 | | 0540 | .8 |
| WE | 1230 | 1.1 | TH | 1200 | 1.1 |
| ME | 1945 | .5 | JE | 1930 | .6 |
| 13 | 0205 | .9 | 28 | 0200 | .9 |
| | 0635 | .8 | | 0600 | .8 |
| TH | 1315 | 1.1 | FR | 1235 | 1.1 |
| JE | 2050 | .6 | VE | 2020 | .6 |
| 14 | 0335 | .9 | 29 | 0330 | .9 |
| | 0700 | .8 | | 0620 | .9 |
| FR | 1405 | 1.0 | SA | 1325 | 1.0 |
| VE | 2225 | .6 | SA | 2145 | .6 |
| 15 | 0515 | .9 | 30 | 0600 | .9 |
| | 1130 | .9 | | 0640 | .9 |
| SA | 1530 | 1.0 | SU | 1450 | 1.0 |
| SA | | | DI | 2320 | .6 |

## MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0700 | .9 | 16 | 0005 | .7 |
| | 1215 | .9 | | 0715 | 1.0 |
| MO | 1640 | .9 | TU | 1325 | .8 |
| LU | | | MA | 1810 | .9 |
| 2 | 0030 | .6 | 17 | 0055 | .7 |
| | 0725 | 1.0 | | 0745 | 1.1 |
| TU | 1320 | .8 | WE | 1410 | .7 |
| MA | 1815 | .9 | ME | 1930 | .9 |
| 3 | 0120 | .6 | 18 | 0140 | .7 |
| | 0750 | 1.0 | | 0810 | 1.1 |
| WE | 1405 | .7 | TH | 1450 | .7 |
| ME | 1930 | 1.0 | JE | 2030 | .9 |
| 4 | 0200 | .6 | 19 | 0215 | .7 |
| | 0815 | 1.1 | | 0835 | 1.1 |
| TH | 1445 | .6 | FR | 1525 | .6 |
| JE | 2030 | 1.0 | VE | 2115 | .9 |
| 5 | 0240 | .6 | 20 | 0245 | .7 |
| | 0845 | 1.1 | | 0900 | 1.2 |
| FR | 1525 | .5 | SA | 1555 | .6 |
| VE | 2120 | 1.0 | SA | 2155 | .9 |
| 6 | 0315 | .6 | 21 | 0315 | .7 |
| | 0915 | 1.2 | | 0920 | 1.2 |
| SA | 1605 | .5 | SU | 1625 | .6 |
| SA | 2205 | 1.0 | DI | 2230 | 1.0 |
| 7 | 0345 | .6 | 22 | 0345 | .8 |
| | 0950 | 1.2 | | 0945 | 1.2 |
| SU | 1645 | .5 | MO | 1655 | .5 |
| DI | 2250 | 1.0 | LU | 2310 | 1.0 |
| 8 | 0420 | .7 | 23 | 0410 | .8 |
| | 1020 | 1.2 | | 1010 | 1.2 |
| MO | 1720 | .5 | TU | 1730 | .5 |
| LU | 2335 | 1.0 | MA | 2345 | 1.0 |
| 9 | 0450 | .7 | 24 | 0440 | .8 |
| | 1055 | 1.2 | | 1040 | 1.2 |
| TU | 1805 | .5 | WE | 1800 | .5 |
| MA | | | ME | | |
| 10 | 0025 | 1.0 | 25 | 0030 | 1.0 |
| | 0525 | .7 | | 0505 | .8 |
| WE | 1130 | 1.2 | TH | 1110 | 1.2 |
| ME | 1845 | .5 | JE | 1840 | .5 |
| 11 | 0115 | .9 | 26 | 0115 | .9 |
| | 0555 | .8 | | 0540 | .9 |
| TH | 1210 | 1.2 | FR | 1145 | 1.2 |
| JE | 1935 | .5 | VE | 1920 | .6 |
| 12 | 0220 | .9 | 27 | 0210 | 1.0 |
| | 0635 | .8 | | 0620 | .9 |
| FR | 1250 | 1.1 | SA | 1230 | 1.2 |
| VE | 2030 | .6 | SA | 2005 | .6 |
| 13 | 0335 | .9 | 28 | 0310 | 1.0 |
| | 0730 | .9 | | 0715 | .9 |
| SA | 1345 | 1.0 | SU | 1325 | 1.1 |
| SA | 2135 | .6 | DI | 2100 | .6 |
| 14 | 0510 | .9 | 29 | 0410 | 1.0 |
| | 0950 | .9 | | 0850 | .9 |
| SU | 1455 | 1.0 | MO | 1435 | 1.0 |
| DI | 2255 | .7 | LU | 2205 | .7 |
| 15 | 0830 | 1.0 | 30 | 0510 | 1.0 |
| | 1220 | .9 | | 1120 | .9 |
| MO | 1630 | .9 | TU | 1605 | 1.0 |
| LU | | | MA | 2315 | .7 |
| | | | 31 | 0600 | 1.1 |
| | | | | 1245 | .8 |
| | | | WE | 1735 | 1.0 |
| | | | ME | | |

## JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0020 | .7 | 16 | 0035 | .8 |
| | 0645 | 1.1 | | 0710 | 1.2 |
| TH | 1340 | .7 | FR | 1430 | .8 |
| JE | 1905 | 1.0 | VE | 2020 | .9 |
| 2 | 0110 | .7 | 17 | 0125 | .9 |
| | 0725 | 1.2 | | 0745 | 1.2 |
| FR | 1430 | .7 | SA | 1510 | .7 |
| VE | 2015 | 1.0 | SA | 2130 | 1.0 |
| 3 | 0200 | .8 | 18 | 0210 | .9 |
| | 0805 | 1.2 | | 0815 | 1.2 |
| SA | 1515 | .6 | SU | 1540 | .7 |
| SA | 2120 | 1.0 | DI | 2215 | 1.0 |
| 4 | 0240 | .8 | 19 | 0245 | .9 |
| | 0845 | 1.2 | | 0845 | 1.2 |
| SU | 1555 | .5 | MO | 1615 | .6 |
| DI | 2215 | 1.0 | LU | 2250 | 1.0 |
| 5 | 0320 | .8 | 20 | 0325 | .9 |
| | 0925 | 1.3 | | 0920 | 1.2 |
| MO | 1635 | .5 | TU | 1645 | .6 |
| LU | 2300 | 1.0 | MA | 2325 | 1.0 |
| 6 | 0400 | .8 | 21 | 0400 | .9 |
| | 1000 | 1.3 | | 0950 | 1.3 |
| TU | 1715 | .5 | WE | 1720 | .6 |
| MA | 2350 | 1.0 | ME | 2355 | 1.0 |
| 7 | 0440 | .8 | 22 | 0435 | .9 |
| | 1040 | 1.3 | | 1025 | 1.3 |
| WE | 1755 | .5 | TH | 1750 | .6 |
| ME | | | JE | | |
| 8 | 0035 | 1.0 | 23 | 0030 | 1.1 |
| | 0520 | .8 | | 0510 | .9 |
| TH | 1120 | 1.2 | FR | 1105 | 1.3 |
| JE | 1840 | .5 | VE | 1825 | .6 |
| 9 | 0120 | 1.0 | 24 | 0105 | 1.1 |
| | 0600 | .9 | | 0550 | .9 |
| FR | 1200 | 1.2 | SA | 1145 | 1.3 |
| VE | 1920 | .6 | SA | 1900 | .6 |
| 10 | 0210 | 1.0 | 25 | 0140 | 1.1 |
| | 0645 | .9 | | 0635 | .9 |
| SA | 1240 | 1.2 | SU | 1230 | 1.2 |
| SA | 2000 | .6 | DI | 1940 | .6 |
| 11 | 0300 | 1.0 | 26 | 0225 | 1.1 |
| | 0745 | .9 | | 0725 | .9 |
| SU | 1325 | 1.1 | MO | 1320 | 1.2 |
| DI | 2045 | .7 | LU | 2020 | .7 |
| 12 | 0355 | 1.1 | 27 | 0310 | 1.1 |
| | 0910 | .9 | | 0835 | .9 |
| MO | 1420 | 1.0 | TU | 1415 | 1.1 |
| LU | 2135 | .7 | MA | 2105 | .7 |
| 13 | 0450 | 1.1 | 28 | 0355 | 1.2 |
| | 1120 | .9 | | 1015 | .9 |
| TU | 1525 | 1.0 | WE | 1530 | 1.1 |
| MA | 2230 | .8 | ME | 2155 | .8 |
| 14 | 0545 | 1.1 | 29 | 0450 | 1.2 |
| | 1250 | .9 | | 1200 | .9 |
| WE | 1655 | .9 | TH | 1655 | 1.0 |
| ME | 2335 | .8 | JE | 2305 | .9 |
| 15 | 0630 | 1.1 | 30 | 0545 | 1.2 |
| | 1350 | .8 | | 1320 | .8 |
| TH | 1835 | .9 | FR | 1840 | 1.0 |
| JE | | | VE | | |

METRES

# FALSE STRAIT (EST / HNE)



1989

| JULY-JUILLET | | | | | | AUGUST-AOUT | | | | | | SEPTEMBER-SEPTEMBRE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Day | Time | Ht./m | Jour | Heure | H./m | Day | Time | Ht./m | Jour | Heure | H./m | Day | Time | Ht./m | Jour | Heure | H./m |
| 1 | 0020 | .9 | 16 | 0030 | 1.0 | 1 | 0220 | 1.0 | 16 | 0240 | 1.0 | 1 | 0350 | .9 | 16 | 0340 | .8 |
| | 0645 | 1.2 | | 0655 | 1.2 | | 0820 | 1.3 | | 0815 | 1.2 | | 0950 | 1.3 | | 0925 | 1.3 |
| SA | 1420 | .7 | SU | 1455 | .8 | TU | 1540 | .7 | WE | 1540 | .7 | FR | 1625 | .7 | SA | 1605 | .7 |
| SA | 2025 | 1.0 | DI | 2225 | 1.0 | MA | 2230 | 1.1 | ME | 2235 | 1.1 | VE | 2250 | 1.2 | SA | 2215 | 1.2 |
| 2 | 0125 | .9 | 17 | 0145 | 1.0 | 2 | 0310 | .9 | 17 | 0315 | 1.0 | 2 | 0430 | .8 | 17 | 0415 | .8 |
| | 0735 | 1.3 | | 0745 | 1.2 | | 0910 | 1.3 | | 0900 | 1.3 | | 1025 | 1.3 | | 1005 | 1.3 |
| SU | 1505 | .7 | MO | 1530 | .7 | WE | 1615 | .6 | TH | 1610 | .7 | SA | 1650 | .7 | SU | 1635 | .7 |
| DI | 2140 | 1.0 | LU | 2245 | 1.1 | ME | 2300 | 1.2 | JE | 2245 | 1.2 | SA | 2315 | 1.2 | DI | 2240 | 1.3 |
| 3 | 0220 | .9 | 18 | 0235 | 1.0 | 3 | 0355 | .9 | 18 | 0355 | .9 | 3 | 0500 | .8 | 18 | 0450 | .7 |
| | 0825 | 1.3 | | 0825 | 1.3 | | 0955 | 1.3 | | 0940 | 1.3 | | 1055 | 1.3 | | 1045 | 1.3 |
| MO | 1550 | .6 | TU | 1600 | .7 | TH | 1650 | .6 | FR | 1635 | .7 | SU | 1720 | .7 | MO | 1700 | .7 |
| LU | 2230 | 1.1 | MA | 2300 | 1.1 | JE | 2325 | 1.2 | VE | 2300 | 1.2 | DI | 2335 | 1.3 | LU | 2305 | 1.3 |
| 4 | 0310 | .9 | 19 | 0320 | 1.0 | 4 | 0435 | .9 | 19 | 0425 | .9 | 4 | 0535 | .8 | 19 | 0525 | .7 |
| | 0910 | 1.3 | | 0905 | 1.3 | | 1035 | 1.3 | | 1015 | 1.3 | | 1125 | 1.2 | | 1125 | 1.2 |
| TU | 1630 | .6 | WE | 1630 | .7 | FR | 1725 | .6 | SA | 1705 | .7 | MO | 1740 | .7 | TU | 1730 | .7 |
| MA | 2310 | 1.1 | ME | 2320 | 1.1 | VE | 2355 | 1.2 | SA | 2325 | 1.2 | LU | 2355 | 1.3 | MA | 2335 | 1.3 |
| 5 | 0355 | .9 | 20 | 0355 | .9 | 5 | 0515 | .9 | 20 | 0500 | .8 | 5 | 0605 | .8 | 20 | 0600 | .7 |
| | 0955 | 1.3 | | 0945 | 1.3 | | 1110 | 1.3 | | 1055 | 1.3 | | 1155 | 1.2 | | 1200 | 1.2 |
| WE | 1710 | .6 | TH | 1700 | .6 | SA | 1750 | .7 | SU | 1735 | .7 | TU | 1805 | .8 | WE | 1755 | .8 |
| ME | 2350 | 1.1 | JE | 2340 | 1.1 | SA | | | DI | 2345 | 1.2 | MA | | | ME | | |
| 6 | 0435 | .9 | 21 | 0435 | .9 | 6 | 0020 | 1.2 | 21 | 0540 | .8 | 6 | 0020 | 1.3 | 21 | 0005 | 1.3 |
| | 1035 | 1.3 | | 1025 | 1.3 | | 0550 | .9 | | 1135 | 1.3 | | 0640 | .8 | | 0645 | .7 |
| TH | 1745 | .6 | FR | 1735 | .6 | SU | 1140 | 1.3 | MO | 1805 | .7 | WE | 1220 | 1.2 | TH | 1245 | 1.2 |
| JE | | | VE | | | DI | 1820 | .7 | LU | | | ME | 1820 | .8 | JE | 1820 | .8 |
| 7 | 0025 | 1.1 | 22 | 0005 | 1.2 | 7 | 0045 | 1.2 | 22 | 0015 | 1.3 | 7 | 0040 | 1.2 | 22 | 0040 | 1.3 |
| | 0520 | .9 | | 0510 | .9 | | 0625 | .9 | | 0615 | .8 | | 0710 | .9 | | 0730 | .7 |
| FR | 1115 | 1.3 | SA | 1100 | 1.3 | MO | 1210 | 1.2 | TU | 1210 | 1.3 | TH | 1250 | 1.1 | FR | 1335 | 1.1 |
| VE | 1820 | .6 | SA | 1805 | .6 | LU | 1845 | .7 | MA | 1830 | .8 | JE | 1835 | .9 | VE | 1845 | .9 |
| 8 | 0100 | 1.1 | 23 | 0030 | 1.2 | 8 | 0115 | 1.2 | 23 | 0045 | 1.3 | 8 | 0105 | 1.2 | 23 | 0120 | 1.3 |
| | 0600 | .9 | | 0550 | .9 | | 0705 | .9 | | 0700 | .8 | | 0750 | .9 | | 0830 | .8 |
| SA | 1155 | 1.3 | SU | 1140 | 1.3 | TU | 1240 | 1.2 | WE | 1255 | 1.2 | FR | 1330 | 1.1 | SA | 1445 | 1.0 |
| SA | 1855 | .6 | DI | 1835 | .7 | MA | 1905 | .8 | ME | 1900 | .8 | VE | 1840 | .9 | SA | 1910 | .9 |
| 9 | 0135 | 1.2 | 24 | 0100 | 1.2 | 9 | 0140 | 1.2 | 24 | 0120 | 1.3 | 9 | 0135 | 1.2 | 24 | 0210 | 1.2 |
| | 0645 | .9 | | 0630 | .9 | | 0745 | .9 | | 0750 | .8 | | 0845 | .9 | | 1010 | .8 |
| SU | 1230 | 1.2 | MO | 1220 | 1.3 | WE | 1315 | 1.1 | TH | 1340 | 1.2 | SA | 1425 | 1.0 | SU | 1645 | 1.0 |
| DI | 1925 | .7 | LU | 1905 | .7 | ME | 1925 | .8 | JE | 1925 | .9 | SA | 1830 | .9 | DI | 1915 | 1.0 |
| 10 | 0210 | 1.2 | 25 | 0135 | 1.2 | 10 | 0210 | 1.2 | 25 | 0205 | 1.3 | 10 | 0215 | 1.2 | 25 | 0325 | 1.2 |
| | 0730 | .9 | | 0715 | .9 | | 0835 | .9 | | 0855 | .9 | | 1120 | .9 | | 1205 | .8 |
| MO | 1305 | 1.2 | TU | 1305 | 1.2 | TH | 1350 | 1.1 | FR | 1440 | 1.1 | SU | | | MO | 2035 | 1.0 |
| LU | 1955 | .7 | MA | 1935 | .8 | JE | 1935 | .9 | VE | 1950 | .9 | DI | | | LU | 2350 | 1.0 |
| 11 | 0245 | 1.2 | 26 | 0210 | 1.2 | 11 | 0250 | 1.2 | 26 | 0255 | 1.2 | 11 | 0325 | 1.2 | 26 | 0510 | 1.2 |
| | 0825 | .9 | | 0810 | .9 | | 1005 | 1.0 | | 1040 | .9 | | 1310 | .9 | | 1320 | .8 |
| TU | 1345 | 1.1 | WE | 1355 | 1.2 | FR | 1440 | 1.0 | SA | 1615 | 1.0 | MO | 2250 | 1.1 | TU | 2045 | 1.1 |
| MA | 2020 | .8 | ME | 2010 | .8 | VE | 1930 | .9 | SA | 2005 | 1.0 | LU | | | MA | | |
| 12 | 0325 | 1.2 | 27 | 0255 | 1.2 | 12 | 0335 | 1.2 | 27 | 0405 | 1.2 | 12 | 0030 | 1.1 | 27 | 0130 | 1.0 |
| | 0945 | 1.0 | | 0925 | .9 | | 1245 | .9 | | 1240 | .9 | | 0515 | 1.2 | | 0655 | 1.2 |
| WE | 1430 | 1.1 | TH | 1500 | 1.1 | SA | 1635 | 1.0 | SU | 2135 | 1.0 | TU | 1355 | .8 | WE | 1405 | .7 |
| ME | 2050 | .9 | JE | 2045 | .9 | SA | 1845 | 1.0 | DI | 2310 | 1.0 | MA | 2155 | 1.1 | ME | 2105 | 1.2 |
| 13 | 0415 | 1.2 | 28 | 0350 | 1.2 | 13 | 0445 | 1.2 | 28 | 0535 | 1.2 | 13 | 0150 | 1.0 | 28 | 0220 | .9 |
| | 1155 | .9 | | 1120 | .9 | | 1355 | .9 | | 1350 | .8 | | 0650 | 1.2 | | 0805 | 1.2 |
| TH | 1535 | 1.0 | FR | 1625 | 1.0 | SU | 2300 | 1.1 | MO | 2125 | 1.1 | WE | 1430 | .8 | TH | 1445 | .7 |
| JE | 2110 | .9 | VE | 2130 | .9 | DI | | | LU | | | ME | 2140 | 1.1 | JE | 2125 | 1.2 |
| 14 | 0505 | 1.2 | 29 | 0455 | 1.2 | 14 | 0145 | 1.1 | 29 | 0120 | 1.0 | 14 | 0230 | 1.0 | 29 | 0305 | .9 |
| | 1325 | .9 | | 1300 | .9 | | 0605 | 1.2 | | 0705 | 1.2 | | 0755 | 1.2 | | 0855 | 1.2 |
| FR | 1725 | .9 | SA | 1845 | 1.0 | MO | 1435 | .8 | TU | 1440 | .7 | TH | 1505 | .7 | FR | 1520 | .7 |
| VE | 2105 | .9 | SA | 2325 | 1.0 | LU | 2235 | 1.1 | MA | 2145 | 1.1 | JE | 2145 | 1.2 | VE | 2145 | 1.2 |
| 15 | 0600 | 1.2 | 30 | 0605 | 1.3 | 15 | 0145 | 1.0 | 30 | 0225 | .9 | 15 | 0305 | .9 | 30 | 0340 | .8 |
| | 1415 | .9 | | 1410 | .8 | | 0715 | 1.2 | | 0815 | 1.3 | | 0845 | 1.2 | | 0935 | 1.2 |
| SA | 2210 | 1.0 | SU | 2115 | 1.0 | TU | 1510 | .8 | WE | 1520 | .7 | FR | 1535 | .7 | SA | 1550 | .7 |
| SA | | | DI | | | MA | 2230 | 1.1 | ME | 2205 | 1.2 | VE | 2200 | 1.2 | SA | 2210 | 1.2 |
| | | | 31 | 0110 | 1.0 | | | | 31 | 0310 | .9 | | | | | | |
| | | | | 0715 | 1.3 | | | | | 0905 | 1.3 | | | | | | |
| | | | MO | 1500 | .7 | | | | TH | 1555 | .7 | | | | | | |
| | | | LU | 2200 | 1.1 | | | | JE | 2230 | 1.2 | | | | | | |

METRES

## TABLE DES MARÉES

# FALSE STRAIT (HNC 2+6)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0415 | .8 | 16 | 0400 | .7 |
| | 1010 | 1.2 | | 0955 | 1.2 |
| SU | 1615 | .7 | MO | 1555 | .7 |
| DI | 2230 | 1.3 | LU | 2200 | 1.3 |
| 2 | 0445 | .7 | 17 | 0435 | .6 |
| | 1040 | 1.2 | | 1035 | 1.2 |
| MO | 1640 | .7 | TU | 1625 | .8 |
| LU | 2250 | 1.3 | MA | 2225 | 1.3 |
| 3 | 0515 | .7 | 18 | 0515 | .6 |
| | 1110 | 1.2 | | 1115 | 1.2 |
| TU | 1705 | .8 | WE | 1655 | .8 |
| MA | 2310 | 1.3 | ME | 2300 | 1.3 |
| 4 | 0545 | .7 | 19 | 0550 | .6 |
| | 1140 | 1.1 | | 1200 | 1.1 |
| WE | 1725 | .8 | TH | 1725 | .8 |
| ME | 2330 | 1.3 | JE | 2330 | 1.3 |
| 5 | 0615 | .7 | 20 | 0635 | .6 |
| | 1210 | 1.1 | | 1250 | 1.1 |
| TH | 1740 | .9 | FR | 1755 | .9 |
| JE | 2350 | 1.2 | VE | | |
| 6 | 0650 | .8 | 21 | 0010 | 1.3 |
| | 1245 | 1.1 | | 0720 | .7 |
| FR | 1755 | .9 | SA | 1345 | 1.0 |
| VE | | | SA | 1825 | .9 |
| 7 | 0015 | 1.2 | 22 | 0050 | 1.2 |
| | 0725 | .8 | | 0820 | .7 |
| SA | 1330 | 1.0 | SU | 1500 | 1.0 |
| SA | 1800 | .9 | DI | 1900 | .9 |
| 8 | 0045 | 1.2 | 23 | 0140 | 1.2 |
| | 0815 | .8 | | 0935 | .8 |
| SU | 1450 | 1.0 | MO | 1655 | 1.0 |
| DI | 1755 | .9 | LU | 2015 | 1.0 |
| 9 | 0120 | 1.2 | 24 | 0255 | 1.1 |
| | 0950 | .8 | | 1115 | .8 |
| MO | | | TU | 1855 | 1.1 |
| LU | | | MA | 2355 | 1.0 |
| 10 | 0230 | 1.1 | 25 | 0435 | 1.1 |
| | 1155 | .8 | | 1225 | .8 |
| TU | 2135 | 1.1 | WE | 1940 | 1.1 |
| MA | | | ME | | |
| 11 | 0030 | 1.0 | 26 | 0120 | .9 |
| | 0430 | 1.1 | | 0620 | 1.1 |
| WE | 1300 | .8 | TH | 1320 | .8 |
| ME | 2035 | 1.1 | JE | 2010 | 1.2 |
| 12 | 0135 | 1.0 | 27 | 0210 | .9 |
| | 0615 | 1.1 | | 0740 | 1.1 |
| TH | 1345 | .8 | FR | 1400 | .7 |
| JE | 2035 | 1.1 | VE | 2035 | 1.2 |
| 13 | 0215 | .9 | 28 | 0250 | .8 |
| | 0730 | 1.1 | | 0835 | 1.1 |
| FR | 1420 | .7 | SA | 1435 | .7 |
| VE | 2045 | 1.2 | SA | 2100 | 1.2 |
| 14 | 0250 | .8 | 29 | 0325 | .7 |
| | 0825 | 1.2 | | 0920 | 1.1 |
| SA | 1455 | .7 | SU | 1510 | .8 |
| SA | 2105 | 1.2 | DI | 2125 | 1.2 |
| 15 | 0325 | .7 | 30 | 0400 | .7 |
| | 0910 | 1.2 | | 0955 | 1.1 |
| SU | 1525 | .7 | MO | 1535 | .8 |
| DI | 2130 | 1.2 | LU | 2145 | 1.3 |
| | | | 31 | 0430 | .7 |
| | | | | 1030 | 1.1 |
| | | | TU | 1605 | .8 |
| | | | MA | 2205 | 1.3 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0500 | .7 | 16 | 0505 | .5 |
| | 1100 | 1.1 | | 1120 | 1.1 |
| WE | 1625 | .8 | TH | 1630 | .8 |
| ME | 2230 | 1.3 | JE | 2235 | 1.3 |
| 2 | 0530 | .6 | 17 | 0545 | .5 |
| | 1135 | 1.1 | | 1210 | 1.1 |
| TH | 1650 | .9 | FR | 1710 | .9 |
| JE | 2250 | 1.3 | VE | 2315 | 1.3 |
| 3 | 0605 | .7 | 18 | 0630 | .6 |
| | 1215 | 1.0 | | 1300 | 1.0 |
| FR | 1710 | .9 | SA | 1745 | .9 |
| VE | 2315 | 1.2 | SA | 2350 | 1.3 |
| 4 | 0635 | .7 | 19 | 0715 | .6 |
| | 1255 | 1.0 | | 1355 | 1.0 |
| SA | 1730 | .9 | SU | 1825 | .9 |
| SA | 2345 | 1.2 | DI | | |
| 5 | 0715 | .7 | 20 | 0035 | 1.2 |
| | 1355 | 1.0 | | 0805 | .6 |
| SU | 1755 | .9 | MO | 1500 | 1.0 |
| DI | | | LU | 1920 | .9 |
| 6 | 0020 | 1.2 | 21 | 0125 | 1.2 |
| | 0800 | .7 | | 0900 | .7 |
| MO | 1505 | 1.0 | TU | 1610 | 1.0 |
| LU | 1820 | 1.0 | MA | 2055 | 1.0 |
| 7 | 0105 | 1.2 | 22 | 0230 | 1.1 |
| | 0905 | .7 | | 1005 | .7 |
| TU | 1640 | 1.0 | WE | 1720 | 1.1 |
| MA | 1915 | 1.0 | ME | 2320 | .9 |
| 8 | 0210 | 1.1 | 23 | 0350 | 1.0 |
| | 1025 | .8 | | 1115 | .8 |
| WE | 1805 | 1.0 | TH | 1820 | 1.1 |
| ME | 2330 | 1.0 | JE | | |
| 9 | 0350 | 1.1 | 24 | 0050 | .9 |
| | 1145 | .8 | | 0525 | 1.0 |
| TH | 1845 | 1.1 | FR | 1220 | .8 |
| JE | | | VE | 1905 | 1.2 |
| 10 | 0055 | .9 | 25 | 0150 | .8 |
| | 0530 | 1.0 | | 0700 | 1.0 |
| FR | 1245 | .8 | SA | 1310 | .8 |
| VE | 1915 | 1.1 | SA | 1945 | 1.2 |
| 11 | 0145 | .9 | 26 | 0235 | .8 |
| | 0655 | 1.1 | | 0815 | 1.0 |
| SA | 1330 | .8 | SU | 1350 | .8 |
| SA | 1950 | 1.2 | DI | 2015 | 1.2 |
| 12 | 0230 | .8 | 27 | 0310 | .7 |
| | 0805 | 1.1 | | 0910 | 1.0 |
| SU | 1410 | .8 | MO | 1425 | .8 |
| DI | 2020 | 1.2 | LU | 2040 | 1.2 |
| 13 | 0305 | .7 | 28 | 0345 | .7 |
| | 0900 | 1.1 | | 0955 | 1.0 |
| MO | 1450 | .8 | TU | 1500 | .8 |
| LU | 2050 | 1.3 | MA | 2105 | 1.2 |
| 14 | 0345 | .6 | 29 | 0415 | .6 |
| | 0950 | 1.1 | | 1035 | 1.0 |
| TU | 1525 | .8 | WE | 1530 | .8 |
| MA | 2125 | 1.3 | ME | 2135 | 1.2 |
| 15 | 0425 | .6 | 30 | 0450 | .6 |
| | 1035 | 1.1 | | 1110 | 1.0 |
| WE | 1600 | .8 | TH | 1600 | .9 |
| ME | 2200 | 1.3 | JE | 2200 | 1.2 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0520 | .6 | 16 | 0540 | .5 |
| | 1150 | 1.0 | | 1215 | 1.1 |
| FR | 1630 | .9 | SA | 1705 | .8 |
| VE | 2230 | 1.2 | SA | 2305 | 1.3 |
| 2 | 0550 | .6 | 17 | 0620 | .5 |
| | 1225 | 1.0 | | 1300 | 1.1 |
| SA | 1700 | .9 | SU | 1745 | .9 |
| SA | 2300 | 1.2 | DI | 2345 | 1.2 |
| 3 | 0625 | .6 | 18 | 0700 | .6 |
| | 1305 | 1.0 | | 1340 | 1.1 |
| SU | 1735 | .9 | MO | 1835 | .9 |
| DI | 2335 | 1.2 | LU | | |
| 4 | 0700 | .6 | 19 | 0030 | 1.2 |
| | 1350 | 1.0 | | 0735 | .6 |
| MO | 1810 | .9 | TU | 1425 | 1.1 |
| LU | | | MA | 1925 | .9 |
| 5 | 0015 | 1.2 | 20 | 0110 | 1.1 |
| | 0740 | .6 | | 0815 | .7 |
| TU | 1440 | 1.0 | WE | 1515 | 1.1 |
| MA | 1900 | .9 | ME | 2035 | .9 |
| 6 | 0100 | 1.2 | 21 | 0200 | 1.1 |
| | 0825 | .7 | | 0900 | .7 |
| WE | 1530 | 1.0 | TH | 1605 | 1.1 |
| ME | 2015 | .9 | JE | 2215 | .9 |
| 7 | 0200 | 1.1 | 22 | 0300 | 1.0 |
| | 0920 | .7 | | 0945 | .8 |
| TH | 1625 | 1.1 | FR | 1700 | 1.1 |
| JE | 2215 | .9 | VE | | |
| 8 | 0320 | 1.0 | 23 | 0010 | .9 |
| | 1025 | .8 | | 0415 | .9 |
| FR | 1715 | 1.1 | SA | 1045 | .8 |
| VE | | | SA | 1750 | 1.1 |
| 9 | 0005 | .9 | 24 | 0125 | .8 |
| | 0445 | 1.0 | | 0555 | .9 |
| SA | 1130 | .8 | SU | 1155 | .8 |
| SA | 1805 | 1.2 | DI | 1840 | 1.1 |
| 10 | 0115 | .8 | 25 | 0220 | .8 |
| | 0620 | 1.0 | | 0815 | .9 |
| SU | 1235 | .8 | MO | 1300 | .9 |
| DI | 1855 | 1.2 | LU | 1925 | 1.2 |
| 11 | 0210 | .7 | 26 | 0300 | .7 |
| | 0745 | 1.0 | | 0940 | .9 |
| MO | 1330 | .8 | TU | 1350 | .9 |
| LU | 1940 | 1.2 | MA | 2005 | 1.2 |
| 12 | 0255 | .6 | 27 | 0335 | .7 |
| | 0900 | 1.0 | | 1025 | 1.0 |
| TU | 1415 | .8 | WE | 1435 | .9 |
| MA | 2020 | 1.3 | ME | 2035 | 1.2 |
| 13 | 0340 | .6 | 28 | 0405 | .6 |
| | 0955 | 1.0 | | 1055 | 1.0 |
| WE | 1500 | .8 | TH | 1515 | .9 |
| ME | 2100 | 1.3 | JE | 2110 | 1.2 |
| 14 | 0420 | .5 | 29 | 0435 | .6 |
| | 1045 | 1.0 | | 1125 | 1.0 |
| TH | 1540 | .8 | FR | 1550 | .9 |
| JE | 2145 | 1.3 | VE | 2145 | 1.2 |
| 15 | 0500 | .5 | 30 | 0510 | .6 |
| | 1130 | 1.0 | | 1150 | 1.0 |
| FR | 1625 | .8 | SA | 1625 | .9 |
| VE | 2225 | 1.3 | SA | 2215 | 1.2 |
| | | | 31 | 0540 | .5 |
| | | | | 1220 | 1.0 |
| | | | SU | 1705 | .9 |
| | | | DI | 2250 | 1.2 |

**METRES**

# CAMBRIDGE BAY (MST)



1989

## JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0510 | .6 | 16 | 0540 | .6 |
| | 1210 | .3 | | 1235 | .3 |
| SU | 1830 | .5 | MO | 1840 | .5 |
| DI | 2330 | .4 | LU | | |
| 2 | 0600 | .6 | 17 | 0030 | .3 |
| | 1300 | .3 | | 0650 | .6 |
| MO | 1925 | .5 | TU | 1335 | .3 |
| LU | | | MA | 1945 | .5 |
| 3 | 0035 | .4 | 18 | 0205 | .3 |
| | 0705 | .6 | | 0820 | .5 |
| TU | 1400 | .4 | WE | 1445 | .3 |
| MA | 2025 | .5 | ME | 2055 | .6 |
| 4 | 0210 | .4 | 19 | 0355 | .3 |
| | 0825 | .5 | | 0955 | .5 |
| WE | 1515 | .4 | TH | 1550 | .4 |
| ME | 2120 | .6 | JE | 2155 | .6 |
| 5 | 0415 | .4 | 20 | 0520 | .3 |
| | 0950 | .5 | | 1110 | .5 |
| TH | 1620 | .4 | FR | 1650 | .4 |
| JE | 2210 | .6 | VE | 2250 | .6 |
| 6 | 0530 | .4 | 21 | 0615 | .3 |
| | 1100 | .5 | | 1205 | .5 |
| FR | 1705 | .4 | SA | 1735 | .3 |
| VE | 2255 | .6 | SA | 2335 | .7 |
| 7 | 0615 | .4 | 22 | 0700 | .3 |
| | 1155 | .6 | | 1250 | .5 |
| SA | 1745 | .4 | SU | 1815 | .3 |
| SA | 2335 | .7 | DI | | |
| 8 | 0655 | .3 | 23 | 0020 | .7 |
| | 1240 | .6 | | 0740 | .3 |
| SU | 1820 | .4 | MO | 1325 | .6 |
| DI | | | LU | 1855 | .3 |
| 9 | 0015 | .7 | 24 | 0055 | .7 |
| | 0730 | .3 | | 0810 | .3 |
| MO | 1320 | .6 | TU | 1400 | .6 |
| LU | 1855 | .4 | MA | 1925 | .3 |
| 10 | 0055 | .8 | 25 | 0130 | .8 |
| | 0805 | .3 | | 0840 | .3 |
| TU | 1400 | .6 | WE | 1430 | .6 |
| MA | 1930 | .3 | ME | 1955 | .3 |
| 11 | 0135 | .8 | 26 | 0205 | .8 |
| | 0845 | .3 | | 0905 | .3 |
| WE | 1440 | .6 | TH | 1500 | .6 |
| ME | 2010 | .3 | JE | 2030 | .3 |
| 12 | 0220 | .8 | 27 | 0240 | .7 |
| | 0925 | .2 | | 0925 | .3 |
| TH | 1520 | .6 | FR | 1530 | .6 |
| JE | 2050 | .3 | VE | 2100 | .3 |
| 13 | 0305 | .8 | 28 | 0315 | .7 |
| | 1005 | .2 | | 0955 | .3 |
| FR | 1605 | .6 | SA | 1600 | .6 |
| VE | 2130 | .3 | SA | 2130 | .3 |
| 14 | 0350 | .8 | 29 | 0350 | .7 |
| | 1050 | .2 | | 1025 | .3 |
| SA | 1650 | .6 | SU | 1635 | .6 |
| SA | 2220 | .3 | DI | 2210 | .3 |
| 15 | 0445 | .7 | 30 | 0430 | .6 |
| | 1140 | .3 | | 1100 | .3 |
| SU | 1745 | .5 | MO | 1715 | .5 |
| DI | 2320 | .3 | LU | 2255 | .3 |
| | | | 31 | 0515 | .6 |
| | | | | 1145 | .3 |
| | | | TU | 1810 | .5 |
| | | | MA | 2355 | .4 |

## FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0615 | .5 | 16 | 0205 | .3 |
| | 1245 | .3 | | 0825 | .5 |
| WE | 1915 | .5 | TH | 1405 | .3 |
| ME | | | JE | 2020 | .5 |
| 2 | 0120 | .4 | 17 | 0350 | .3 |
| | 0750 | .5 | | 1010 | .5 |
| TH | 1415 | .4 | FR | 1525 | .3 |
| JE | 2030 | .5 | VE | 2135 | .6 |
| 3 | 0325 | .4 | 18 | 0505 | .2 |
| | 0940 | .5 | | 1110 | .5 |
| FR | 1540 | .4 | SA | 1630 | .3 |
| VE | 2135 | .6 | SA | 2235 | .6 |
| 4 | 0450 | .3 | 19 | 0555 | .2 |
| | 1055 | .5 | | 1155 | .5 |
| SA | 1640 | .3 | SU | 1720 | .3 |
| SA | 2230 | .6 | DI | 2320 | .6 |
| 5 | 0545 | .3 | 20 | 0635 | .2 |
| | 1145 | .5 | | 1230 | .5 |
| SU | 1720 | .3 | MO | 1800 | .3 |
| DI | 2315 | .7 | LU | | |
| 6 | 0625 | .2 | 21 | 0000 | .7 |
| | 1225 | .6 | | 0705 | .2 |
| MO | 1800 | .3 | TU | 1300 | .5 |
| LU | | | MA | 1835 | .2 |
| 7 | 0000 | .7 | 22 | 0035 | .7 |
| | 0700 | .2 | | 0730 | .2 |
| TU | 1300 | .6 | WE | 1325 | .6 |
| MA | 1835 | .3 | ME | 1905 | .2 |
| 8 | 0040 | .8 | 23 | 0110 | .7 |
| | 0740 | .2 | | 0750 | .2 |
| WE | 1335 | .6 | TH | 1350 | .6 |
| ME | 1915 | .2 | JE | 1935 | .2 |
| 9 | 0120 | .8 | 24 | 0140 | .7 |
| | 0815 | .2 | | 0815 | .2 |
| TH | 1410 | .6 | FR | 1415 | .6 |
| JE | 1955 | .2 | VE | 2005 | .2 |
| 10 | 0205 | .8 | 25 | 0210 | .7 |
| | 0855 | .2 | | 0835 | .2 |
| FR | 1450 | .6 | SA | 1440 | .6 |
| VE | 2035 | .2 | SA | 2030 | .2 |
| 11 | 0250 | .8 | 26 | 0245 | .7 |
| | 0930 | .2 | | 0900 | .2 |
| SA | 1525 | .6 | SU | 1510 | .6 |
| SA | 2120 | .2 | DI | 2105 | .2 |
| 12 | 0335 | .7 | 27 | 0315 | .6 |
| | 1010 | .2 | | 0930 | .2 |
| SU | 1610 | .6 | MO | 1540 | .6 |
| DI | 2210 | .2 | LU | 2145 | .3 |
| 13 | 0425 | .6 | 28 | 0355 | .6 |
| | 1055 | .2 | | 1010 | .3 |
| MO | 1655 | .6 | TU | 1620 | .5 |
| LU | 2310 | .2 | MA | 2230 | .3 |
| 14 | 0520 | .6 | | | |
| | 1145 | .3 | | | |
| TU | 1750 | .5 | | | |
| MA | | | | | |
| 15 | 0025 | .3 | | | |
| | 0635 | .5 | | | |
| WE | 1245 | .3 | | | |
| ME | 1855 | .5 | | | |

## MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0445 | .5 | 16 | 0030 | .2 |
| | 1055 | .3 | | 0640 | .4 |
| WE | 1715 | .5 | TH | 1210 | .3 |
| ME | 2340 | .3 | JE | 1820 | .5 |
| 2 | 0555 | .5 | 17 | 0210 | .2 |
| | 1205 | .3 | | 0855 | .4 |
| TH | 1825 | .5 | FR | 1345 | .3 |
| JE | | | VE | 2000 | .5 |
| 3 | 0115 | .3 | 18 | 0345 | .2 |
| | 0750 | .4 | | 1010 | .4 |
| FR | 1335 | .3 | SA | 1515 | .3 |
| VE | 1950 | .5 | SA | 2120 | .5 |
| 4 | 0300 | .3 | 19 | 0445 | .2 |
| | 0935 | .5 | | 1055 | .5 |
| SA | 1500 | .3 | SU | 1615 | .3 |
| SA | 2110 | .5 | DI | 2215 | .5 |
| 5 | 0420 | .2 | 20 | 0525 | .2 |
| | 1035 | .5 | | 1130 | .5 |
| SU | 1605 | .3 | MO | 1705 | .2 |
| DI | 2205 | .6 | LU | 2300 | .6 |
| 6 | 0510 | .2 | 21 | 0600 | .1 |
| | 1120 | .5 | | 1200 | .5 |
| MO | 1650 | .2 | TU | 1740 | .2 |
| LU | 2250 | .6 | MA | 2335 | .6 |
| 7 | 0550 | .2 | 22 | 0625 | .1 |
| | 1155 | .5 | | 1225 | .5 |
| TU | 1735 | .2 | WE | 1815 | .2 |
| MA | 2335 | .7 | ME | | |
| 8 | 0625 | .1 | 23 | 0010 | .6 |
| | 1230 | .6 | | 0645 | .2 |
| WE | 1815 | .2 | TH | 1250 | .5 |
| ME | | | JE | 1840 | .2 |
| 9 | 0020 | .7 | 24 | 0040 | .6 |
| | 0705 | .1 | | 0705 | .2 |
| TH | 1300 | .6 | FR | 1310 | .6 |
| JE | 1855 | .2 | VE | 1910 | .2 |
| 10 | 0100 | .7 | 25 | 0110 | .6 |
| | 0740 | .1 | | 0725 | .2 |
| FR | 1335 | .6 | SA | 1330 | .6 |
| VE | 1935 | .2 | SA | 1935 | .2 |
| 11 | 0145 | .7 | 26 | 0140 | .6 |
| | 0815 | .1 | | 0745 | .2 |
| SA | 1410 | .6 | SU | 1355 | .6 |
| SA | 2020 | .2 | DI | 2000 | .2 |
| 12 | 0225 | .7 | 27 | 0210 | .6 |
| | 0850 | .2 | | 0810 | .2 |
| SU | 1450 | .6 | MO | 1425 | .6 |
| DI | 2105 | .2 | LU | 2035 | .2 |
| 13 | 0315 | .6 | 28 | 0245 | .5 |
| | 0930 | .2 | | 0845 | .2 |
| MO | 1530 | .6 | TU | 1455 | .6 |
| LU | 2200 | .2 | MA | 2115 | .2 |
| 14 | 0405 | .5 | 29 | 0325 | .5 |
| | 1010 | .2 | | 0920 | .3 |
| TU | 1610 | .6 | WE | 1535 | .5 |
| MA | 2305 | .2 | ME | 2215 | .2 |
| 15 | 0505 | .5 | 30 | 0420 | .5 |
| | 1100 | .3 | | 1015 | .3 |
| WE | 1705 | .5 | TH | 1630 | .5 |
| ME | | | JE | 2340 | .3 |
| | | | 31 | 0550 | .4 |
| | | | | 1130 | .3 |
| | | | FR | 1745 | .5 |
| | | | VE | | |

METRES

## TABLE DES MARÉES

# CAMBRIDGE BAY (HNM Z+7)

1989

### APRIL-AVRIL

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0115 | .2 | 16 | 0330 | .2 |
| | 0805 | .4 | | 0950 | .4 |
| SA | 1300 | .3 | SU | 1500 | .3 |
| SA | 1925 | .5 | DI | 2100 | .5 |
| 2 | 0245 | .2 | 17 | 0420 | .2 |
| | 0925 | .4 | | 1025 | .5 |
| SU | 1425 | .3 | MO | 1600 | .2 |
| DI | 2040 | .5 | LU | 2150 | .5 |
| 3 | 0350 | .2 | 18 | 0455 | .2 |
| | 1010 | .5 | | 1055 | .5 |
| MO | 1530 | .2 | TU | 1645 | .2 |
| LU | 2140 | .6 | MA | 2230 | .5 |
| 4 | 0435 | .1 | 19 | 0520 | .2 |
| | 1050 | .5 | | 1125 | .5 |
| TU | 1620 | .2 | WE | 1720 | .2 |
| MA | 2225 | .6 | ME | 2305 | .5 |
| 5 | 0515 | .1 | 20 | 0545 | .2 |
| | 1120 | .5 | | 1145 | .5 |
| WE | 1705 | .2 | TH | 1750 | .2 |
| ME | 2310 | .6 | JE | 2340 | .6 |
| 6 | 0555 | .1 | 21 | 0605 | .2 |
| | 1155 | .5 | | 1205 | .5 |
| TH | 1750 | .2 | FR | 1820 | .2 |
| JE | 2355 | .7 | VE | | |
| 7 | 0630 | .1 | 22 | 0010 | .6 |
| | 1225 | .6 | | 0620 | .2 |
| FR | 1830 | .1 | SA | 1225 | .6 |
| VE | | | SA | 1845 | .2 |
| 8 | 0040 | .7 | 23 | 0040 | .6 |
| | 0700 | .1 | | 0640 | .2 |
| SA | 1300 | .6 | SU | 1245 | .6 |
| SA | 1915 | .1 | DI | 1905 | .2 |
| 9 | 0120 | .6 | 24 | 0110 | .5 |
| | 0735 | .2 | | 0700 | .2 |
| SU | 1335 | .6 | MO | 1310 | .6 |
| DI | 2000 | .2 | LU | 1935 | .2 |
| 10 | 0205 | .6 | 25 | 0140 | .5 |
| | 0810 | .2 | | 0730 | .3 |
| MO | 1410 | .6 | TU | 1340 | .6 |
| LU | 2055 | .2 | MA | 2010 | .3 |
| 11 | 0255 | .5 | 26 | 0215 | .5 |
| | 0845 | .2 | | 0800 | .3 |
| TU | 1445 | .6 | WE | 1415 | .6 |
| MA | 2155 | .2 | ME | 2100 | .3 |
| 12 | 0345 | .5 | 27 | 0305 | .5 |
| | 0925 | .3 | | 0840 | .3 |
| WE | 1530 | .6 | TH | 1455 | .6 |
| ME | 2305 | .2 | JE | 2210 | .3 |
| 13 | 0505 | .4 | 28 | 0415 | .4 |
| | 1020 | .3 | | 0935 | .3 |
| TH | 1630 | .5 | FR | 1555 | .5 |
| JE | | | VE | 2340 | .3 |
| 14 | 0040 | .2 | 29 | 0615 | .4 |
| | 0720 | .4 | | 1055 | .3 |
| FR | 1145 | .3 | SA | 1715 | .5 |
| VE | 1800 | .5 | SA | | |
| 15 | 0220 | .2 | 30 | 0110 | .2 |
| | 0905 | .4 | | 0800 | .4 |
| SA | 1330 | .3 | SU | 1230 | .3 |
| SA | 1950 | .5 | DI | 1855 | .5 |

### MAY-MAI

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0225 | .2 | 16 | 0340 | .2 |
| | 0900 | .4 | | 0950 | .5 |
| MO | 1350 | .3 | TU | 1535 | .3 |
| LU | 2010 | .5 | MA | 2115 | .5 |
| 2 | 0320 | .2 | 17 | 0410 | .2 |
| | 0940 | .5 | | 1015 | .5 |
| TU | 1500 | .3 | WE | 1620 | .3 |
| MA | 2110 | .6 | ME | 2200 | .5 |
| 3 | 0405 | .2 | 18 | 0440 | .2 |
| | 1015 | .5 | | 1040 | .5 |
| WE | 1555 | .2 | TH | 1700 | .3 |
| ME | 2205 | .6 | JE | 2240 | .5 |
| 4 | 0445 | .2 | 19 | 0505 | .2 |
| | 1050 | .5 | | 1105 | .6 |
| TH | 1645 | .2 | FR | 1735 | .3 |
| JE | 2250 | .6 | VE | 2315 | .6 |
| 5 | 0520 | .2 | 20 | 0525 | .3 |
| | 1120 | .6 | | 1125 | .6 |
| FR | 1735 | .2 | SA | 1800 | .3 |
| VE | 2335 | .6 | SA | 2345 | .6 |
| 6 | 0555 | .2 | 21 | 0545 | .3 |
| | 1155 | .6 | | 1150 | .6 |
| SA | 1820 | .2 | SU | 1830 | .3 |
| SA | | | DI | | |
| 7 | 0020 | .6 | 22 | 0020 | .6 |
| | 0625 | .2 | | 0610 | .3 |
| SU | 1225 | .7 | MO | 1210 | .7 |
| DI | 1905 | .2 | LU | 1855 | .3 |
| 8 | 0105 | .6 | 23 | 0050 | .6 |
| | 0700 | .2 | | 0630 | .3 |
| MO | 1300 | .7 | TU | 1240 | .7 |
| LU | 1955 | .2 | MA | 1925 | .3 |
| 9 | 0150 | .5 | 24 | 0125 | .5 |
| | 0730 | .3 | | 0700 | .4 |
| TU | 1335 | .7 | WE | 1315 | .7 |
| MA | 2050 | .2 | ME | 2005 | .3 |
| 10 | 0240 | .5 | 25 | 0210 | .5 |
| | 0805 | .3 | | 0735 | .4 |
| WE | 1415 | .6 | TH | 1350 | .7 |
| ME | 2155 | .3 | JE | 2105 | .3 |
| 11 | 0345 | .5 | 26 | 0305 | .5 |
| | 0845 | .4 | | 0815 | .4 |
| TH | 1500 | .6 | FR | 1440 | .7 |
| JE | 2310 | .3 | VE | 2215 | .3 |
| 12 | 0515 | .4 | 27 | 0425 | .5 |
| | 0950 | .4 | | 0910 | .4 |
| FR | 1605 | .6 | SA | 1535 | .6 |
| VE | | | SA | 2330 | .3 |
| 13 | 0040 | .3 | 28 | 0600 | .5 |
| | 0720 | .4 | | 1025 | .4 |
| SA | 1120 | .4 | SU | 1650 | .6 |
| SA | 1735 | .5 | DI | | |
| 14 | 0200 | .2 | 29 | 0045 | .3 |
| | 0835 | .5 | | 0720 | .5 |
| SU | 1305 | .4 | MO | 1150 | .4 |
| DI | 1915 | .5 | LU | 1820 | .6 |
| 15 | 0300 | .2 | 30 | 0150 | .3 |
| | 0915 | .5 | | 0820 | .5 |
| MO | 1430 | .3 | TU | 1315 | .4 |
| LU | 2025 | .5 | MA | 1940 | .6 |
| | | | 31 | 0245 | .2 |
| | | | | 0905 | .5 |
| | | | WE | 1435 | .3 |
| | | | ME | 2045 | .6 |

### JUNE-JUIN

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0335 | .2 | 16 | 0355 | .3 |
| | 0940 | .6 | | 1000 | .6 |
| TH | 1540 | .3 | FR | 1635 | .4 |
| JE | 2140 | .6 | VE | 2210 | .6 |
| 2 | 0415 | .2 | 17 | 0425 | .4 |
| | 1015 | .6 | | 1025 | .7 |
| FR | 1635 | .3 | SA | 1720 | .4 |
| VE | 2235 | .6 | SA | 2255 | .6 |
| 3 | 0450 | .3 | 18 | 0455 | .4 |
| | 1050 | .7 | | 1055 | .7 |
| SA | 1730 | .3 | SU | 1755 | .4 |
| SA | 2325 | .6 | DI | 2335 | .6 |
| 4 | 0525 | .3 | 19 | 0525 | .4 |
| | 1125 | .7 | | 1125 | .7 |
| SU | 1820 | .3 | MO | 1830 | .4 |
| DI | | | LU | | |
| 5 | 0010 | .6 | 20 | 0015 | .6 |
| | 0600 | .3 | | 0555 | .4 |
| MO | 1200 | .7 | TU | 1155 | .8 |
| LU | 1905 | .3 | MA | 1905 | .4 |
| 6 | 0100 | .6 | 21 | 0050 | .6 |
| | 0630 | .4 | | 0625 | .4 |
| TU | 1240 | .8 | WE | 1230 | .8 |
| MA | 1955 | .3 | ME | 1940 | .4 |
| 7 | 0150 | .6 | 22 | 0130 | .6 |
| | 0705 | .4 | | 0655 | .4 |
| WE | 1315 | .8 | TH | 1305 | .8 |
| ME | 2050 | .3 | JE | 2020 | .4 |
| 8 | 0240 | .5 | 23 | 0215 | .6 |
| | 0740 | .4 | | 0730 | .5 |
| TH | 1400 | .7 | FR | 1345 | .8 |
| JE | 2150 | .3 | VE | 2105 | .4 |
| 9 | 0340 | .5 | 24 | 0310 | .6 |
| | 0825 | .4 | | 0810 | .5 |
| FR | 1445 | .7 | SA | 1435 | .8 |
| VE | 2255 | .4 | SA | 2200 | .4 |
| 10 | 0450 | .5 | 25 | 0405 | .6 |
| | 0920 | .5 | | 0900 | .5 |
| SA | 1545 | .7 | SU | 1530 | .8 |
| SA | | | DI | 2300 | .4 |
| 11 | 0000 | .4 | 26 | 0515 | .6 |
| | 0610 | .5 | | 1005 | .5 |
| SU | 1035 | .5 | MO | 1630 | .7 |
| DI | 1655 | .6 | LU | | |
| 12 | 0100 | .3 | 27 | 0000 | .3 |
| | 0715 | .5 | | 0620 | .6 |
| MO | 1200 | .5 | TU | 1120 | .5 |
| LU | 1810 | .6 | MA | 1745 | .7 |
| 13 | 0155 | .3 | 28 | 0100 | .3 |
| | 0810 | .5 | | 0725 | .6 |
| TU | 1325 | .4 | WE | 1245 | .5 |
| MA | 1920 | .6 | ME | 1900 | .7 |
| 14 | 0240 | .3 | 29 | 0200 | .3 |
| | 0850 | .6 | | 0820 | .6 |
| WE | 1445 | .4 | TH | 1415 | .4 |
| ME | 2025 | .6 | JE | 2020 | .7 |
| 15 | 0315 | .3 | 30 | 0255 | .4 |
| | 0925 | .6 | | 0905 | .7 |
| TH | 1545 | .4 | FR | 1530 | .4 |
| JE | 2120 | .6 | VE | 2125 | .7 |

**METRES**

# CAMBRIDGE BAY (MST)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0345 | .4 | 16 | 0350 | .5 |
| | 0950 | .7 | | 0955 | .8 |
| SA | 1640 | .4 | SU | 1705 | .5 |
| SA | 2230 | .7 | DI | 2245 | .7 |
| 2 | 0425 | .4 | 17 | 0430 | .5 |
| | 1030 | .8 | | 1035 | .8 |
| SU | 1735 | .4 | MO | 1745 | .5 |
| DI | 2325 | .7 | LU | 2330 | .7 |
| 3 | 0505 | .4 | 18 | 0510 | .5 |
| | 1110 | .8 | | 1110 | .8 |
| MO | 1825 | .4 | TU | 1820 | .4 |
| LU | | | MA | | |
| 4 | 0015 | .7 | 19 | 0010 | .7 |
| | 0545 | .4 | | 0540 | .5 |
| TU | 1150 | .9 | WE | 1145 | .9 |
| MA | 1915 | .4 | ME | 1855 | .4 |
| 5 | 0100 | .6 | 20 | 0050 | .7 |
| | 0620 | .4 | | 0615 | .5 |
| WE | 1230 | .9 | TH | 1225 | .9 |
| ME | 1955 | .4 | JE | 1930 | .4 |
| 6 | 0145 | .6 | 21 | 0125 | .7 |
| | 0655 | .5 | | 0645 | .5 |
| TH | 1310 | .9 | FR | 1300 | .9 |
| JE | 2040 | .4 | VE | 2005 | .4 |
| 7 | 0230 | .6 | 22 | 0205 | .7 |
| | 0735 | .5 | | 0725 | .5 |
| FR | 1350 | .9 | SA | 1340 | .9 |
| VE | 2120 | .4 | SA | 2045 | .4 |
| 8 | 0315 | .6 | 23 | 0245 | .7 |
| | 0810 | .5 | | 0805 | .5 |
| SA | 1435 | .8 | SU | 1425 | .9 |
| SA | 2200 | .4 | DI | 2130 | .4 |
| 9 | 0400 | .6 | 24 | 0335 | .7 |
| | 0855 | .5 | | 0850 | .5 |
| SU | 1520 | .8 | MO | 1515 | .9 |
| DI | 2240 | .4 | LU | 2220 | .4 |
| 10 | 0450 | .6 | 25 | 0425 | .7 |
| | 0945 | .5 | | 0950 | .5 |
| MO | 1605 | .8 | TU | 1610 | .8 |
| LU | 2325 | .4 | MA | 2310 | .4 |
| 11 | 0540 | .6 | 26 | 0525 | .7 |
| | 1045 | .5 | | 1100 | .5 |
| TU | 1700 | .7 | WE | 1710 | .8 |
| MA | | | ME | | |
| 12 | 0010 | .4 | 27 | 0010 | .4 |
| | 0635 | .6 | | 0625 | .7 |
| WE | 1200 | .5 | TH | 1225 | .5 |
| ME | 1800 | .7 | JE | 1825 | .7 |
| 13 | 0105 | .4 | 28 | 0110 | .4 |
| | 0735 | .6 | | 0730 | .7 |
| TH | 1330 | .5 | FR | 1400 | .5 |
| JE | 1915 | .6 | VE | 1955 | .7 |
| 14 | 0200 | .4 | 29 | 0215 | .5 |
| | 0825 | .7 | | 0835 | .8 |
| FR | 1500 | .5 | SA | 1530 | .5 |
| VE | 2030 | .6 | SA | 2125 | .7 |
| 15 | 0300 | .5 | 30 | 0315 | .5 |
| | 0915 | .7 | | 0930 | .8 |
| SA | 1610 | .5 | SU | 1640 | .4 |
| SA | 2145 | .6 | DI | 2235 | .7 |
| | | | 31 | 0405 | .5 |
| | | | | 1020 | .8 |
| | | | MO | 1740 | .4 |
| | | | LU | 2330 | .7 |

### AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0450 | .5 | 16 | 0445 | .5 |
| | 1105 | .9 | | 1055 | .9 |
| TU | 1825 | .4 | WE | 1800 | .4 |
| MA | | | ME | 2355 | .7 |
| 2 | 0015 | .7 | 17 | 0525 | .5 |
| | 0535 | .5 | | 1130 | .9 |
| WE | 1145 | .9 | TH | 1835 | .4 |
| ME | 1905 | .4 | JE | | |
| 3 | 0055 | .7 | 18 | 0030 | .7 |
| | 0610 | .5 | | 0600 | .4 |
| TH | 1225 | .9 | FR | 1210 | .9 |
| JE | 1940 | .4 | VE | 1905 | .3 |
| 4 | 0130 | .7 | 19 | 0105 | .8 |
| | 0645 | .5 | | 0635 | .4 |
| FR | 1300 | .9 | SA | 1250 | 1.0 |
| VE | 2010 | .4 | SA | 1940 | .3 |
| 5 | 0205 | .7 | 20 | 0140 | .8 |
| | 0720 | .5 | | 0710 | .4 |
| SA | 1335 | .9 | SU | 1330 | 1.0 |
| SA | 2035 | .4 | DI | 2015 | .3 |
| 6 | 0235 | .7 | 21 | 0220 | .8 |
| | 0755 | .5 | | 0755 | .4 |
| SU | 1410 | .9 | MO | 1410 | .9 |
| DI | 2105 | .4 | LU | 2055 | .3 |
| 7 | 0310 | .7 | 22 | 0300 | .8 |
| | 0830 | .5 | | 0845 | .4 |
| MO | 1445 | .9 | TU | 1500 | .9 |
| LU | 2130 | .4 | MA | 2140 | .4 |
| 8 | 0345 | .7 | 23 | 0340 | .8 |
| | 0910 | .5 | | 0940 | .4 |
| TU | 1525 | .8 | WE | 1550 | .8 |
| MA | 2205 | .4 | ME | 2225 | .4 |
| 9 | 0425 | .7 | 24 | 0430 | .8 |
| | 0955 | .5 | | 1050 | .5 |
| WE | 1605 | .8 | TH | 1645 | .7 |
| ME | 2245 | .5 | JE | 2320 | .4 |
| 10 | 0510 | .7 | 25 | 0530 | .8 |
| | 1100 | .5 | | 1215 | .5 |
| TH | 1700 | .7 | FR | 1805 | .7 |
| JE | 2340 | .5 | VE | | |
| 11 | 0610 | .7 | 26 | 0020 | .5 |
| | 1225 | .5 | | 0645 | .8 |
| FR | 1810 | .7 | SA | 1355 | .5 |
| VE | | | SA | 1955 | .6 |
| 12 | 0045 | .5 | 27 | 0135 | .5 |
| | 0720 | .7 | | 0805 | .8 |
| SA | 1410 | .5 | SU | 1530 | .4 |
| SA | 1950 | .6 | DI | 2140 | .6 |
| 13 | 0205 | .5 | 28 | 0250 | .5 |
| | 0830 | .8 | | 0910 | .8 |
| SU | 1545 | .5 | MO | 1640 | .4 |
| DI | 2130 | .6 | LU | 2245 | .6 |
| 14 | 0310 | .5 | 29 | 0350 | .5 |
| | 0930 | .8 | | 1010 | .8 |
| MO | 1640 | .5 | TU | 1730 | .4 |
| LU | 2235 | .7 | MA | 2325 | .7 |
| 15 | 0405 | .5 | 30 | 0445 | .5 |
| | 1015 | .8 | | 1055 | .9 |
| TU | 1725 | .4 | WE | 1810 | .3 |
| MA | 2320 | .7 | ME | | |
| | | | 31 | 0005 | .7 |
| | | | | 0525 | .4 |
| | | | TH | 1135 | .9 |
| | | | JE | 1840 | .3 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0035 | .7 | 16 | 0005 | .7 |
| | 0605 | .4 | | 0540 | .4 |
| FR | 1210 | .9 | SA | 1150 | .9 |
| VE | 1905 | .3 | SA | 1835 | .3 |
| 2 | 0105 | .7 | 17 | 0040 | .8 |
| | 0635 | .4 | | 0620 | .4 |
| SA | 1240 | .9 | SU | 1230 | .9 |
| SA | 1930 | .3 | DI | 1910 | .3 |
| 3 | 0130 | .8 | 18 | 0110 | .8 |
| | 0710 | .4 | | 0700 | .4 |
| SU | 1315 | .9 | MO | 1310 | .9 |
| DI | 1950 | .4 | LU | 1945 | .3 |
| 4 | 0155 | .8 | 19 | 0145 | .8 |
| | 0735 | .4 | | 0750 | .4 |
| MO | 1345 | .9 | TU | 1355 | .9 |
| LU | 2010 | .4 | MA | 2020 | .3 |
| 5 | 0225 | .8 | 20 | 0225 | .8 |
| | 0810 | .4 | | 0840 | .4 |
| TU | 1415 | .8 | WE | 1440 | .8 |
| MA | 2035 | .4 | ME | 2100 | .4 |
| 6 | 0250 | .8 | 21 | 0305 | .8 |
| | 0845 | .5 | | 0935 | .4 |
| WE | 1450 | .8 | TH | 1530 | .7 |
| ME | 2105 | .4 | JE | 2140 | .4 |
| 7 | 0325 | .8 | 22 | 0350 | .8 |
| | 0925 | .5 | | 1050 | .4 |
| TH | 1530 | .7 | FR | 1630 | .7 |
| JE | 2145 | .4 | VE | 2230 | .5 |
| 8 | 0410 | .8 | 23 | 0445 | .8 |
| | 1025 | .5 | | 1215 | .4 |
| FR | 1615 | .7 | SA | 1805 | .6 |
| VE | 2230 | .5 | SA | 2330 | .5 |
| 9 | 0505 | .7 | 24 | 0555 | .7 |
| | 1150 | .5 | | 1355 | .4 |
| SA | 1730 | .6 | SU | 2025 | .6 |
| SA | 2340 | .5 | DI | | |
| 10 | 0615 | .7 | 25 | 0055 | .5 |
| | 1335 | .5 | | 0730 | .7 |
| SU | 1940 | .6 | MO | 1525 | .4 |
| DI | | | LU | 2150 | .6 |
| 11 | 0110 | .5 | 26 | 0230 | .5 |
| | 0745 | .7 | | 0850 | .7 |
| MO | 1510 | .5 | TU | 1625 | .3 |
| LU | 2125 | .6 | MA | 2240 | .6 |
| 12 | 0230 | .5 | 27 | 0345 | .5 |
| | 0850 | .8 | | 0950 | .8 |
| TU | 1615 | .4 | WE | 1710 | .3 |
| MA | 2220 | .6 | ME | 2315 | .6 |
| 13 | 0335 | .5 | 28 | 0435 | .4 |
| | 0945 | .8 | | 1035 | .8 |
| WE | 1655 | .4 | TH | 1740 | .3 |
| ME | 2300 | .7 | JE | 2345 | .7 |
| 14 | 0420 | .5 | 29 | 0520 | .4 |
| | 1030 | .9 | | 1115 | .8 |
| TH | 1730 | .3 | FR | 1810 | .3 |
| JE | 2335 | .7 | VE | | |
| 15 | 0500 | .4 | 30 | 0010 | .7 |
| | 1110 | .9 | | 0555 | .4 |
| FR | 1805 | .3 | SA | 1150 | .8 |
| VE | | | SA | 1830 | .3 |

METRES

## TABLE DES MARÉES

# CAMBRIDGE BAY (UNN 2+7)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0035 | .7 | 16 | 0010 | .7 |
| | 0630 | .4 | | 0610 | .3 |
| SU | 1220 | .8 | MO | 1215 | .8 |
| DI | 1850 | .3 | LU | 1840 | .3 |
| 2 | 0055 | .7 | 17 | 0040 | .8 |
| | 0700 | .4 | | 0700 | .3 |
| MO | 1250 | .8 | TU | 1300 | .8 |
| LU | 1910 | .3 | MA | 1915 | .3 |
| 3 | 0120 | .8 | 18 | 0115 | .8 |
| | 0725 | .4 | | 0750 | .3 |
| TU | 1320 | .8 | WE | 1345 | .8 |
| MA | 1930 | .4 | ME | 1950 | .3 |
| 4 | 0145 | .8 | 19 | 0155 | .8 |
| | 0755 | .4 | | 0840 | .3 |
| WE | 1350 | .7 | TH | 1430 | .7 |
| ME | 1955 | .4 | JE | 2025 | .4 |
| 5 | 0210 | .8 | 20 | 0230 | .8 |
| | 0830 | .4 | | 0940 | .3 |
| TH | 1425 | .7 | FR | 1525 | .6 |
| JE | 2020 | .4 | VE | 2100 | .4 |
| 6 | 0240 | .8 | 21 | 0315 | .8 |
| | 0910 | .4 | | 1050 | .4 |
| FR | 1500 | .7 | SA | 1635 | .6 |
| VE | 2055 | .4 | SA | 2145 | .5 |
| 7 | 0320 | .8 | 22 | 0405 | .7 |
| | 1010 | .5 | | 1210 | .4 |
| SA | 1550 | .6 | SU | 1820 | .5 |
| SA | 2140 | .5 | DI | 2250 | .5 |
| 8 | 0410 | .7 | 23 | 0515 | .7 |
| | 1130 | .5 | | 1345 | .4 |
| SU | 1715 | .5 | MO | 2030 | .5 |
| DI | 2240 | .5 | LU | | |
| 9 | 0515 | .7 | 24 | 0020 | .5 |
| | 1300 | .4 | | 0650 | .7 |
| MO | 1940 | .5 | TU | 1505 | .3 |
| LU | | | MA | 2135 | .5 |
| 10 | 0005 | .5 | 25 | 0200 | .5 |
| | 0645 | .7 | | 0815 | .7 |
| TU | 1430 | .4 | WE | 1600 | .3 |
| MA | 2110 | .5 | ME | 2215 | .6 |
| 11 | 0130 | .5 | 26 | 0330 | .4 |
| | 0805 | .7 | | 0920 | .7 |
| WE | 1530 | .3 | TH | 1640 | .3 |
| ME | 2155 | .6 | JE | 2245 | .6 |
| 12 | 0250 | .5 | 27 | 0430 | .4 |
| | 0905 | .7 | | 1010 | .7 |
| TH | 1620 | .3 | FR | 1710 | .3 |
| JE | 2230 | .6 | VE | 2315 | .6 |
| 13 | 0350 | .4 | 28 | 0515 | .4 |
| | 0955 | .8 | | 1050 | .7 |
| FR | 1655 | .3 | SA | 1735 | .3 |
| VE | 2305 | .7 | SA | 2340 | .7 |
| 14 | 0440 | .4 | 29 | 0555 | .4 |
| | 1045 | .8 | | 1125 | .7 |
| SA | 1730 | .3 | SU | 1800 | .3 |
| SA | 2335 | .7 | DI | | |
| 15 | 0525 | .4 | 30 | 0005 | .7 |
| | 1130 | .8 | | 0625 | .4 |
| SU | 1805 | .3 | MO | 1200 | .7 |
| DI | | | LU | 1820 | .3 |
| | | | 31 | 0025 | .7 |
| | | | | 0655 | .4 |
| | | | TU | 1230 | .7 |
| | | | MA | 1835 | .4 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0045 | .7 | 16 | 0055 | .8 |
| | 0725 | .4 | | 0800 | .3 |
| WE | 1305 | .7 | TH | 1345 | .6 |
| ME | 1900 | .4 | JE | 1930 | .4 |
| 2 | 0110 | .8 | 17 | 0130 | .8 |
| | 0755 | .4 | | 0850 | .3 |
| TH | 1335 | .6 | FR | 1435 | .6 |
| JE | 1925 | .4 | VE | 2005 | .4 |
| 3 | 0140 | .8 | 18 | 0215 | .8 |
| | 0830 | .4 | | 0950 | .3 |
| FR | 1410 | .6 | SA | 1530 | .6 |
| VE | 1950 | .4 | SA | 2040 | .4 |
| 4 | 0210 | .8 | 19 | 0255 | .8 |
| | 0915 | .4 | | 1050 | .3 |
| SA | 1455 | .6 | SU | 1635 | .5 |
| SA | 2025 | .4 | DI | 2125 | .4 |
| 5 | 0250 | .8 | 20 | 0345 | .7 |
| | 1010 | .4 | | 1150 | .3 |
| SU | 1550 | .5 | MO | 1800 | .5 |
| DI | 2105 | .4 | LU | 2220 | .5 |
| 6 | 0335 | .7 | 21 | 0450 | .7 |
| | 1110 | .4 | | 1300 | .3 |
| MO | 1715 | .5 | TU | 1925 | .5 |
| LU | 2200 | .5 | MA | 2335 | .5 |
| 7 | 0430 | .7 | 22 | 0600 | .6 |
| | 1220 | .4 | | 1410 | .3 |
| TU | 1900 | .5 | WE | 2035 | .5 |
| MA | 2305 | .5 | ME | | |
| 8 | 0545 | .7 | 23 | 0105 | .5 |
| | 1330 | .3 | | 0720 | .6 |
| WE | 2020 | .5 | TH | 1505 | .3 |
| ME | | | JE | 2125 | .5 |
| 9 | 0025 | .5 | 24 | 0245 | .4 |
| | 0710 | .7 | | 0830 | .6 |
| TH | 1435 | .3 | FR | 1550 | .3 |
| JE | 2110 | .5 | VE | 2205 | .6 |
| 10 | 0145 | .4 | 25 | 0405 | .4 |
| | 0820 | .7 | | 0930 | .6 |
| FR | 1530 | .3 | SA | 1630 | .3 |
| VE | 2155 | .6 | SA | 2235 | .6 |
| 11 | 0310 | .4 | 26 | 0500 | .4 |
| | 0925 | .7 | | 1025 | .6 |
| SA | 1620 | .3 | SU | 1700 | .3 |
| SA | 2230 | .6 | DI | 2305 | .6 |
| 12 | 0420 | .4 | 27 | 0550 | .4 |
| | 1020 | .7 | | 1110 | .6 |
| SU | 1700 | .3 | MO | 1730 | .4 |
| DI | 2305 | .7 | LU | 2330 | .7 |
| 13 | 0520 | .4 | 28 | 0630 | .4 |
| | 1115 | .7 | | 1150 | .6 |
| MO | 1740 | .3 | TU | 1755 | .4 |
| LU | 2340 | .7 | MA | 2355 | .7 |
| 14 | 0615 | .3 | 29 | 0705 | .4 |
| | 1205 | .7 | | 1230 | .6 |
| TU | 1815 | .3 | WE | 1825 | .4 |
| MA | | | ME | | |
| 15 | 0015 | .8 | 30 | 0025 | .7 |
| | 0705 | .3 | | 0740 | .4 |
| WE | 1255 | .7 | TH | 1305 | .5 |
| ME | 1850 | .3 | JE | 1850 | .4 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0050 | .7 | 16 | 0125 | .8 |
| | 0810 | .4 | | 0855 | .3 |
| FR | 1345 | .6 | SA | 1435 | .6 |
| VE | 1920 | .4 | SA | 1955 | .4 |
| 2 | 0125 | .8 | 17 | 0205 | .8 |
| | 0845 | .4 | | 0940 | .3 |
| SA | 1425 | .6 | SU | 1525 | .6 |
| SA | 1950 | .4 | DI | 2035 | .4 |
| 3 | 0200 | .8 | 18 | 0250 | .8 |
| | 0920 | .4 | | 1025 | .3 |
| SU | 1505 | .6 | MO | 1610 | .5 |
| DI | 2025 | .4 | LU | 2115 | .4 |
| 4 | 0240 | .8 | 19 | 0335 | .7 |
| | 1000 | .4 | | 1110 | .3 |
| MO | 1555 | .5 | TU | 1700 | .5 |
| LU | 2100 | .4 | MA | 2200 | .4 |
| 5 | 0320 | .8 | 20 | 0425 | .7 |
| | 1045 | .3 | | 1150 | .3 |
| TU | 1650 | .5 | WE | 1755 | .5 |
| MA | 2145 | .4 | ME | 2255 | .4 |
| 6 | 0415 | .7 | 21 | 0515 | .6 |
| | 1135 | .3 | | 1240 | .3 |
| WE | 1755 | .5 | TH | 1850 | .5 |
| ME | 2235 | .4 | JE | 2350 | .4 |
| 7 | 0510 | .7 | 22 | 0615 | .6 |
| | 1235 | .3 | | 1330 | .3 |
| TH | 1905 | .5 | FR | 1950 | .5 |
| JE | 2335 | .4 | VE | | |
| 8 | 0620 | .7 | 23 | 0110 | .4 |
| | 1335 | .3 | | 0720 | .6 |
| FR | 2005 | .5 | SA | 1430 | .3 |
| VE | | | SA | 2045 | .5 |
| 9 | 0055 | .4 | 24 | 0255 | .4 |
| | 0735 | .6 | | 0835 | .5 |
| SA | 1440 | .3 | SU | 1525 | .4 |
| SA | 2100 | .5 | DI | 2135 | .6 |
| 10 | 0225 | .4 | 25 | 0430 | .4 |
| | 0855 | .6 | | 0950 | .5 |
| SU | 1540 | .3 | MO | 1620 | .4 |
| DI | 2150 | .6 | LU | 2220 | .6 |
| 11 | 0405 | .4 | 26 | 0535 | .4 |
| | 1005 | .6 | | 1100 | .5 |
| MO | 1635 | .3 | TU | 1705 | .4 |
| LU | 2235 | .7 | MA | 2300 | .6 |
| 12 | 0520 | .3 | 27 | 0620 | .4 |
| | 1110 | .6 | | 1155 | .5 |
| TU | 1720 | .3 | WE | 1745 | .4 |
| MA | 2320 | .7 | ME | 2335 | .7 |
| 13 | 0620 | .3 | 28 | 0700 | .4 |
| | 1205 | .6 | | 1235 | .6 |
| WE | 1800 | .4 | TH | 1820 | .4 |
| ME | | | JE | | |
| 14 | 0000 | .8 | 29 | 0010 | .7 |
| | 0715 | .3 | | 0730 | .4 |
| TH | 1300 | .6 | FR | 1315 | .6 |
| JE | 1840 | .4 | VE | 1850 | .4 |
| 15 | 0040 | .8 | 30 | 0045 | .7 |
| | 0805 | .3 | | 0800 | .4 |
| FR | 1350 | .6 | SA | 1350 | .6 |
| VE | 1920 | .4 | SA | 1920 | .4 |
| | | | 31 | 0120 | .8 |
| | | | | 0830 | .3 |
| | | | SU | 1420 | .6 |
| | | | DI | 1950 | .4 |

V4

METRES

# TUKTOYAKTUK (MST, Z+7)



1989

## JANUARY-JANVIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0340 | .3 | 16 | 0450 | .2 |
| | 0905 | .3 | | 0930 | .3 |
| SU | 1555 | .2 | MO | 1620 | .1 |
| DI | 2320 | .4 | LU | 2350 | .4 |
| 2 | 0545 | .3 | 17 | 0650 | .2 |
| | 1015 | .3 | | 1145 | .3 |
| MO | 1710 | .2 | TU | 1750 | .1 |
| LU | | | MA | | |
| 3 | 0020 | .4 | 18 | 0105 | .4 |
| | 0705 | .2 | | 0815 | .2 |
| TU | 1140 | .3 | WE | 1315 | .3 |
| MA | 1810 | .2 | ME | 1905 | .1 |
| 4 | 0110 | .4 | 19 | 0205 | .4 |
| | 0810 | .2 | | 0900 | .2 |
| WE | 1255 | .3 | TH | 1420 | .3 |
| ME | 1900 | .2 | JE | 2005 | .1 |
| 5 | 0200 | .4 | 20 | 0250 | .5 |
| | 0855 | .2 | | 0930 | .2 |
| TH | 1400 | .3 | FR | 1510 | .3 |
| JE | 1950 | .2 | VE | 2055 | .1 |
| 6 | 0245 | .5 | 21 | 0330 | .5 |
| | 0935 | .2 | | 1005 | .1 |
| FR | 1455 | .3 | SA | 1550 | .4 |
| VE | 2035 | .1 | SA | 2140 | .1 |
| 7 | 0330 | .5 | 22 | 0410 | .5 |
| | 1010 | .1 | | 1035 | .1 |
| SA | 1540 | .3 | SU | 1630 | .4 |
| SA | 2125 | .1 | DI | 2225 | .1 |
| 8 | 0410 | .5 | 23 | 0445 | .5 |
| | 1045 | .1 | | 1110 | .1 |
| SU | 1620 | .4 | MO | 1705 | .4 |
| DI | 2210 | .1 | LU | 2305 | .1 |
| 9 | 0450 | .5 | 24 | 0520 | .5 |
| | 1115 | .1 | | 1140 | .1 |
| MO | 1655 | .4 | TU | 1735 | .4 |
| LU | 2255 | .1 | MA | 2340 | .1 |
| 10 | 0525 | .5 | 25 | 0550 | .5 |
| | 1150 | .1 | | 1210 | .1 |
| TU | 1730 | .5 | WE | 1810 | .4 |
| MA | 2340 | .1 | ME | | |
| 11 | 0605 | .5 | 26 | 0015 | .2 |
| | 1220 | .1 | | 0615 | .4 |
| WE | 1810 | .5 | TH | 1240 | .1 |
| ME | | | JE | 1845 | .4 |
| 12 | 0025 | .1 | 27 | 0045 | .2 |
| | 0640 | .5 | | 0640 | .4 |
| TH | 1255 | .1 | FR | 1305 | .2 |
| JE | 1850 | .5 | VE | 1920 | .4 |
| 13 | 0110 | .1 | 28 | 0115 | .2 |
| | 0715 | .4 | | 0700 | .4 |
| FR | 1330 | .1 | SA | 1330 | .2 |
| VE | 1940 | .5 | SA | 2005 | .4 |
| 14 | 0155 | .2 | 29 | 0150 | .2 |
| | 0750 | .4 | | 0720 | .4 |
| SA | 1410 | .1 | SU | 1355 | .2 |
| SA | 2045 | .4 | DI | 2110 | .4 |
| 15 | 0300 | .2 | 30 | 0235 | .3 |
| | 0825 | .3 | | 0745 | .3 |
| SU | 1505 | .1 | MO | 1430 | .2 |
| DI | 2220 | .4 | LU | 2230 | .4 |
| | | | 31 | 0425 | .3 |
| | | | | 0830 | .3 |
| | | | TU | 1525 | .2 |
| | | | MA | 2340 | .4 |

## FEBRUARY-FEVRIER

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0655 | .3 | 16 | 0040 | .4 |
| | 1035 | .3 | | 0745 | .2 |
| WE | 1655 | .2 | TH | 1310 | .3 |
| ME | | | JE | 1850 | .2 |
| 2 | 0045 | .4 | 17 | 0140 | .4 |
| | 0800 | .2 | | 0820 | .2 |
| TH | 1240 | .3 | FR | 1405 | .3 |
| JE | 1825 | .2 | VE | 1950 | .2 |
| 3 | 0140 | .5 | 18 | 0220 | .4 |
| | 0840 | .2 | | 0855 | .1 |
| FR | 1355 | .3 | SA | 1450 | .4 |
| VE | 1935 | .2 | SA | 2040 | .1 |
| 4 | 0230 | .5 | 19 | 0300 | .4 |
| | 0915 | .2 | | 0925 | .1 |
| SA | 1440 | .3 | SU | 1525 | .4 |
| SA | 2030 | .1 | DI | 2125 | .1 |
| 5 | 0310 | .5 | 20 | 0340 | .5 |
| | 0945 | .1 | | 1000 | .1 |
| SU | 1520 | .4 | MO | 1600 | .4 |
| DI | 2120 | .1 | LU | 2205 | .1 |
| 6 | 0350 | .5 | 21 | 0415 | .5 |
| | 1015 | .1 | | 1035 | .1 |
| MO | 1555 | .4 | TU | 1635 | .4 |
| LU | 2205 | .1 | MA | 2245 | .1 |
| 7 | 0425 | .5 | 22 | 0450 | .4 |
| | 1045 | .1 | | 1105 | .1 |
| TU | 1630 | .5 | WE | 1710 | .4 |
| MA | 2245 | .1 | ME | 2325 | .1 |
| 8 | 0500 | .5 | 23 | 0515 | .4 |
| | 1115 | .1 | | 1135 | .1 |
| WE | 1710 | .5 | TH | 1745 | .4 |
| ME | 2330 | .1 | JE | 2355 | .1 |
| 9 | 0535 | .5 | 24 | 0540 | .4 |
| | 1150 | .1 | | 1200 | .1 |
| TH | 1750 | .5 | FR | 1815 | .4 |
| JE | | | VE | | |
| 10 | 0010 | .1 | 25 | 0025 | .2 |
| | 0605 | .4 | | 0600 | .4 |
| FR | 1220 | .0 | SA | 1225 | .1 |
| VE | 1830 | .5 | SA | 1850 | .4 |
| 11 | 0050 | .1 | 26 | 0050 | .2 |
| | 0635 | .4 | | 0620 | .3 |
| SA | 1255 | .1 | SU | 1245 | .1 |
| SA | 1925 | .4 | DI | 1930 | .4 |
| 12 | 0135 | .2 | 27 | 0120 | .2 |
| | 0705 | .3 | | 0635 | .3 |
| SU | 1330 | .1 | MO | 1300 | .1 |
| DI | 2030 | .4 | LU | 2015 | .4 |
| 13 | 0240 | .2 | 28 | 0210 | .2 |
| | 0730 | .3 | | 0700 | .3 |
| MO | 1415 | .1 | TU | 1325 | .2 |
| LU | 2155 | .4 | MA | 2125 | .4 |
| 14 | 0430 | .2 | | | |
| | 0820 | .3 | | | |
| TU | 1540 | .1 | | | |
| MA | 2325 | .4 | | | |
| 15 | 0635 | .2 | | | |
| | 1125 | .2 | | | |
| WE | 1725 | .2 | | | |
| ME | | | | | |

## MARCH-MARS

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0345 | .2 | 16 | 0535 | .2 |
| | 0750 | .3 | | 1115 | .3 |
| WE | 1410 | .2 | TH | 1710 | .2 |
| ME | 2245 | .4 | JE | | |
| 2 | 0600 | .2 | 17 | 0000 | .3 |
| | 1030 | .3 | | 0645 | .2 |
| TH | 1605 | .2 | FR | 1250 | .3 |
| JE | | | VE | 1840 | .2 |
| 3 | 0005 | .4 | 18 | 0100 | .4 |
| | 0720 | .2 | | 0730 | .2 |
| FR | 1235 | .3 | SA | 1340 | .4 |
| VE | 1810 | .2 | SA | 1940 | .2 |
| 4 | 0115 | .4 | 19 | 0150 | .4 |
| | 0805 | .2 | | 0810 | .1 |
| SA | 1335 | .3 | SU | 1415 | .4 |
| SA | 1930 | .2 | DI | 2025 | .1 |
| 5 | 0205 | .5 | 20 | 0230 | .4 |
| | 0835 | .2 | | 0845 | .1 |
| SU | 1415 | .4 | MO | 1450 | .4 |
| DI | 2025 | .1 | LU | 2110 | .1 |
| 6 | 0245 | .5 | 21 | 0310 | .4 |
| | 0910 | .1 | | 0920 | .1 |
| MO | 1455 | .4 | TU | 1525 | .4 |
| LU | 2110 | .1 | MA | 2150 | .1 |
| 7 | 0325 | .5 | 22 | 0345 | .4 |
| | 0940 | .1 | | 0955 | .1 |
| TU | 1530 | .4 | WE | 1605 | .4 |
| MA | 2155 | .0 | ME | 2225 | .1 |
| 8 | 0400 | .4 | 23 | 0415 | .4 |
| | 1015 | .1 | | 1030 | .1 |
| WE | 1610 | .5 | TH | 1640 | .4 |
| ME | 2235 | .0 | JE | 2305 | .1 |
| 9 | 0435 | .4 | 24 | 0445 | .4 |
| | 1045 | .0 | | 1100 | .0 |
| TH | 1650 | .5 | FR | 1715 | .4 |
| JE | 2320 | .0 | VE | 2335 | .1 |
| 10 | 0510 | .4 | 25 | 0510 | .3 |
| | 1115 | .0 | | 1125 | .0 |
| FR | 1730 | .5 | SA | 1750 | .4 |
| VE | | | SA | | |
| 11 | 0000 | .1 | 26 | 0005 | .1 |
| | 0540 | .3 | | 0535 | .3 |
| SA | 1145 | .0 | SU | 1145 | .1 |
| SA | 1820 | .4 | DI | 1825 | .4 |
| 12 | 0040 | .1 | 27 | 0035 | .2 |
| | 0610 | .3 | | 0555 | .3 |
| SU | 1220 | .0 | MO | 1200 | .1 |
| DI | 1915 | .4 | LU | 1855 | .4 |
| 13 | 0130 | .1 | 28 | 0110 | .2 |
| | 0645 | .3 | | 0625 | .3 |
| MO | 1255 | .1 | TU | 1220 | .1 |
| LU | 2015 | .4 | MA | 1940 | .4 |
| 14 | 0235 | .2 | 29 | 0200 | .2 |
| | 0735 | .3 | | 0710 | .3 |
| TU | 1345 | .1 | WE | 1250 | .2 |
| MA | 2125 | .3 | ME | 2035 | .4 |
| 15 | 0400 | .2 | 30 | 0315 | .2 |
| | 0915 | .2 | | 0835 | .3 |
| WE | 1515 | .2 | TH | 1355 | .2 |
| ME | 2240 | .3 | JE | 2155 | .4 |
| | | | 31 | 0445 | .2 |
| | | | | 1020 | .3 |
| | | | FR | 1605 | .2 |
| | | | VE | 2330 | .4 |

METRES

## TABLE DES MARÉES

# TUKTOYAKTUK (YNM 2+7)

1989

**APRIL-AVRIL**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0610 | .2 | 16 | 0025 | .4 |
| | 1155 | .3 | | 0635 | .2 |
| SA | 1805 | .2 | SU | 1300 | .4 |
| SA | | | DI | 1920 | .2 |
| 2 | 0045 | .4 | 17 | 0115 | .4 |
| | 0705 | .2 | | 0725 | .2 |
| SU | 1300 | .4 | MO | 1340 | .4 |
| DI | 1920 | .2 | LU | 2005 | .2 |
| 3 | 0135 | .4 | 18 | 0200 | .4 |
| | 0750 | .2 | | 0805 | .2 |
| MO | 1345 | .4 | TU | 1415 | .5 |
| LU | 2015 | .1 | MA | 2050 | .2 |
| 4 | 0220 | .4 | 19 | 0235 | .4 |
| | 0825 | .1 | | 0845 | .1 |
| TU | 1425 | .5 | WE | 1455 | .5 |
| MA | 2100 | .1 | ME | 2130 | .1 |
| 5 | 0300 | .4 | 20 | 0315 | .4 |
| | 0905 | .1 | | 0920 | .1 |
| WE | 1505 | .5 | TH | 1535 | .5 |
| ME | 2145 | .1 | JE | 2210 | .1 |
| 6 | 0340 | .4 | 21 | 0345 | .4 |
| | 0940 | .0 | | 0955 | .1 |
| TH | 1550 | .5 | FR | 1615 | .5 |
| JE | 2230 | .1 | VE | 2245 | .1 |
| 7 | 0415 | .3 | 22 | 0420 | .4 |
| | 1015 | .0 | | 1020 | .1 |
| FR | 1635 | .5 | SA | 1655 | .5 |
| VE | 2315 | .1 | SA | 2320 | .1 |
| 8 | 0450 | .3 | 23 | 0450 | .4 |
| | 1050 | .0 | | 1050 | .1 |
| SA | 1725 | .4 | SU | 1730 | .5 |
| SA | | | DI | 2355 | .2 |
| 9 | 0000 | .1 | 24 | 0520 | .4 |
| | 0530 | .3 | | 1110 | .1 |
| SU | 1125 | .0 | MO | 1800 | .5 |
| DI | 1815 | .4 | LU | | |
| 10 | 0040 | .1 | 25 | 0025 | .2 |
| | 0615 | .3 | | 0555 | .4 |
| MO | 1205 | .1 | TU | 1135 | .1 |
| LU | 1905 | .4 | MA | 1835 | .4 |
| 11 | 0125 | .1 | 26 | 0100 | .2 |
| | 0705 | .3 | | 0640 | .4 |
| TU | 1245 | .1 | WE | 1210 | .2 |
| MA | 1955 | .4 | ME | 1920 | .4 |
| 12 | 0215 | .2 | 27 | 0150 | .2 |
| | 0805 | .3 | | 0730 | .4 |
| WE | 1345 | .2 | TH | 1305 | .2 |
| ME | 2040 | .3 | JE | 2010 | .4 |
| 13 | 0310 | .2 | 28 | 0240 | .2 |
| | 0910 | .3 | | 0830 | .4 |
| TH | 1505 | .2 | FR | 1425 | .2 |
| JE | 2140 | .3 | VE | 2120 | .4 |
| 14 | 0420 | .2 | 29 | 0345 | .2 |
| | 1040 | .3 | | 0945 | .4 |
| FR | 1655 | .2 | SA | 1555 | .2 |
| VE | 2305 | .3 | SA | 2245 | .4 |
| 15 | 0535 | .2 | 30 | 0500 | .2 |
| | 1205 | .4 | | 1105 | .4 |
| SA | 1825 | .2 | SU | 1735 | .2 |
| SA | | | DI | | |

**MAY-MAI**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0005 | .4 | 16 | 0040 | .4 |
| | 0605 | .2 | | 0640 | .3 |
| MO | 1215 | .5 | TU | 1305 | .5 |
| LU | 1855 | .2 | MA | 1940 | .3 |
| 2 | 0105 | .4 | 17 | 0125 | .5 |
| | 0700 | .2 | | 0730 | .2 |
| TU | 1310 | .5 | WE | 1350 | .5 |
| MA | 1955 | .2 | ME | 2025 | .2 |
| 3 | 0150 | .4 | 18 | 0200 | .5 |
| | 0745 | .2 | | 0810 | .2 |
| WE | 1400 | .5 | TH | 1430 | .5 |
| ME | 2050 | .2 | JE | 2110 | .2 |
| 4 | 0235 | .4 | 19 | 0240 | .5 |
| | 0830 | .1 | | 0845 | .2 |
| TH | 1450 | .5 | FR | 1515 | .5 |
| JE | 2145 | .1 | VE | 2150 | .2 |
| 5 | 0320 | .4 | 20 | 0320 | .4 |
| | 0910 | .1 | | 0920 | .2 |
| FR | 1545 | .5 | SA | 1555 | .5 |
| VE | 2230 | .1 | SA | 2230 | .2 |
| 6 | 0405 | .4 | 21 | 0355 | .4 |
| | 0955 | .1 | | 0950 | .2 |
| SA | 1635 | .5 | SU | 1635 | .5 |
| SA | 2315 | .2 | DI | 2305 | .2 |
| 7 | 0450 | .4 | 22 | 0435 | .5 |
| | 1035 | .1 | | 1025 | .2 |
| SU | 1725 | .5 | MO | 1710 | .5 |
| DI | 2355 | .2 | LU | 2340 | .2 |
| 8 | 0535 | .4 | 23 | 0515 | .5 |
| | 1120 | .1 | | 1055 | .2 |
| MO | 1810 | .5 | TU | 1745 | .6 |
| LU | | | MA | | |
| 9 | 0035 | .2 | 24 | 0010 | .2 |
| | 0620 | .4 | | 0550 | .5 |
| TU | 1205 | .2 | WE | 1135 | .2 |
| MA | 1850 | .5 | ME | 1825 | .6 |
| 10 | 0110 | .2 | 25 | 0045 | .3 |
| | 0705 | .4 | | 0635 | .5 |
| WE | 1250 | .2 | TH | 1220 | .2 |
| ME | 1925 | .5 | JE | 1905 | .6 |
| 11 | 0150 | .2 | 26 | 0125 | .3 |
| | 0750 | .4 | | 0715 | .5 |
| TH | 1345 | .2 | FR | 1315 | .3 |
| JE | 2005 | .4 | VE | 1950 | .5 |
| 12 | 0230 | .2 | 27 | 0210 | .3 |
| | 0840 | .4 | | 0805 | .5 |
| FR | 1445 | .3 | SA | 1415 | .3 |
| VE | 2050 | .4 | SA | 2045 | .5 |
| 13 | 0315 | .3 | 28 | 0300 | .3 |
| | 0945 | .4 | | 0905 | .5 |
| SA | 1610 | .3 | SU | 1525 | .3 |
| SA | 2200 | .4 | DI | 2155 | .5 |
| 14 | 0425 | .3 | 29 | 0400 | .3 |
| | 1110 | .5 | | 1020 | .5 |
| SU | 1750 | .3 | MO | 1655 | .3 |
| DI | 2335 | .4 | LU | 2315 | .5 |
| 15 | 0545 | .3 | 30 | 0510 | .3 |
| | 1215 | .5 | | 1140 | .6 |
| MO | 1850 | .3 | TU | 1830 | .3 |
| LU | | | MA | | |
| | | | 31 | 0025 | .5 |
| | | | | 0615 | .3 |
| | | | WE | 1250 | .6 |
| | | | ME | 1945 | .3 |

**JUNE-JUIN**

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0120 | .5 | 16 | 0120 | .5 |
| | 0715 | .2 | | 0730 | .3 |
| TH | 1350 | .6 | FR | 1415 | .6 |
| JE | 2050 | .3 | VE | 2055 | .4 |
| 2 | 0215 | .5 | 17 | 0210 | .5 |
| | 0805 | .2 | | 0810 | .3 |
| FR | 1450 | .6 | SA | 1455 | .6 |
| VE | 2145 | .3 | SA | 2135 | .4 |
| 3 | 0310 | .5 | 18 | 0300 | .5 |
| | 0855 | .2 | | 0850 | .3 |
| SA | 1545 | .6 | SU | 1540 | .7 |
| SA | 2230 | .3 | DI | 2215 | .3 |
| 4 | 0400 | .5 | 19 | 0340 | .5 |
| | 0945 | .2 | | 0930 | .3 |
| SU | 1635 | .6 | MO | 1615 | .7 |
| DI | 2310 | .2 | LU | 2250 | .3 |
| 5 | 0450 | .5 | 20 | 0420 | .5 |
| | 1035 | .2 | | 1010 | .3 |
| MO | 1715 | .6 | TU | 1650 | .7 |
| LU | 2345 | .2 | MA | 2320 | .3 |
| 6 | 0530 | .5 | 21 | 0500 | .6 |
| | 1120 | .2 | | 1050 | .3 |
| TU | 1755 | .6 | WE | 1730 | .7 |
| MA | | | ME | 2355 | .3 |
| 7 | 0015 | .3 | 22 | 0535 | .6 |
| | 0610 | .5 | | 1130 | .3 |
| WE | 1200 | .3 | TH | 1805 | .7 |
| ME | 1825 | .6 | JE | | |
| 8 | 0045 | .3 | 23 | 0025 | .3 |
| | 0645 | .5 | | 0610 | .6 |
| TH | 1240 | .3 | FR | 1215 | .3 |
| JE | 1900 | .6 | VE | 1840 | .7 |
| 9 | 0120 | .3 | 24 | 0100 | .3 |
| | 0725 | .5 | | 0650 | .7 |
| FR | 1325 | .4 | SA | 1300 | .3 |
| VE | 1935 | .5 | SA | 1920 | .7 |
| 10 | 0155 | .3 | 25 | 0140 | .4 |
| | 0805 | .5 | | 0735 | .7 |
| SA | 1405 | .4 | SU | 1350 | .4 |
| SA | 2010 | .5 | DI | 2005 | .6 |
| 11 | 0230 | .4 | 26 | 0220 | .4 |
| | 0855 | .5 | | 0830 | .7 |
| SU | 1505 | .4 | MO | 1450 | .4 |
| DI | 2055 | .5 | LU | 2055 | .6 |
| 12 | 0325 | .4 | 27 | 0310 | .4 |
| | 1020 | .5 | | 0950 | .6 |
| MO | 1640 | .4 | TU | 1615 | .4 |
| LU | 2210 | .5 | MA | 2200 | .5 |
| 13 | 0445 | .4 | 28 | 0415 | .4 |
| | 1140 | .6 | | 1120 | .6 |
| TU | 1810 | .4 | WE | 1810 | .4 |
| MA | 2335 | .5 | ME | 2330 | .5 |
| 14 | 0555 | .4 | 29 | 0535 | .4 |
| | 1235 | .6 | | 1240 | .6 |
| WE | 1915 | .4 | TH | 1945 | .4 |
| ME | | | JE | | |
| 15 | 0030 | .5 | 30 | 0055 | .5 |
| | 0645 | .4 | | 0650 | .3 |
| TH | 1325 | .6 | FR | 1350 | .7 |
| JE | 2010 | .4 | VE | 2055 | .4 |

**METRES**

# TUKTOYAKTUK (MST)

## TIDE TABLES

1989

### JULY-JUILLET

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0205 | .5 | 16 | 0150 | .5 |
| | 0750 | .3 | | 0740 | .4 |
| SA | 1450 | .7 | SU | 1435 | .7 |
| SA | 2140 | .4 | DI | 2120 | .4 |
| 2 | 0305 | .5 | 17 | 0245 | .6 |
| | 0850 | .3 | | 0830 | .4 |
| SU | 1535 | .7 | MO | 1515 | .7 |
| DI | 2215 | .4 | LU | 2155 | .4 |
| 3 | 0350 | .6 | 18 | 0325 | .6 |
| | 0940 | .3 | | 0915 | .4 |
| MO | 1615 | .7 | TU | 1555 | .8 |
| LU | 2245 | .3 | MA | 2225 | .4 |
| 4 | 0435 | .6 | 19 | 0400 | .6 |
| | 1025 | .3 | | 0955 | .4 |
| TU | 1655 | .7 | WE | 1630 | .8 |
| MA | 2320 | .3 | ME | 2255 | .4 |
| 5 | 0510 | .6 | 20 | 0435 | .7 |
| | 1105 | .3 | | 1040 | .3 |
| WE | 1730 | .7 | TH | 1705 | .8 |
| ME | 2350 | .3 | JE | 2325 | .4 |
| 6 | 0545 | .6 | 21 | 0510 | .7 |
| | 1145 | .4 | | 1120 | .3 |
| TH | 1800 | .7 | FR | 1740 | .8 |
| JE | | | VE | 2355 | .3 |
| 7 | 0020 | .4 | 22 | 0545 | .7 |
| | 0620 | .6 | | 1200 | .3 |
| FR | 1225 | .4 | SA | 1815 | .7 |
| VE | 1830 | .7 | SA | | |
| 8 | 0050 | .4 | 23 | 0030 | .3 |
| | 0655 | .6 | | 0625 | .7 |
| SA | 1300 | .4 | SU | 1240 | .3 |
| SA | 1900 | .6 | DI | 1845 | .7 |
| 9 | 0125 | .4 | 24 | 0100 | .3 |
| | 0735 | .6 | | 0710 | .7 |
| SU | 1335 | .5 | MO | 1325 | .4 |
| DI | 1925 | .6 | LU | 1920 | .6 |
| 10 | 0155 | .4 | 25 | 0140 | .3 |
| | 0820 | .6 | | 0810 | .7 |
| MO | 1415 | .5 | TU | 1420 | .4 |
| LU | 1955 | .6 | MA | 1955 | .6 |
| 11 | 0230 | .4 | 26 | 0225 | .3 |
| | 0940 | .6 | | 0930 | .7 |
| TU | 1515 | .5 | WE | 1550 | .5 |
| MA | 2030 | .6 | ME | 2035 | .5 |
| 12 | 0325 | .4 | 27 | 0330 | .4 |
| | 1105 | .6 | | 1105 | .6 |
| WE | 1725 | .5 | TH | 1800 | .5 |
| ME | 2135 | .5 | JE | 2240 | .5 |
| 13 | 0440 | .4 | 28 | 0505 | .4 |
| | 1210 | .6 | | 1230 | .6 |
| TH | 1900 | .5 | FR | 1950 | .5 |
| JE | 2320 | .5 | VE | | |
| 14 | 0550 | .4 | 29 | 0040 | .5 |
| | 1305 | .7 | | 0635 | .4 |
| FR | 2000 | .5 | SA | 1340 | .7 |
| VE | | | SA | 2040 | .4 |
| 15 | 0045 | .5 | 30 | 0200 | .5 |
| | 0650 | .4 | | 0745 | .4 |
| SA | 1355 | .7 | SU | 1430 | .7 |
| SA | 2045 | .5 | DI | 2115 | .4 |
| | | | 31 | 0250 | .6 |
| | | | | 0840 | .4 |
| | | | MO | 1515 | .7 |
| | | | LU | 2145 | .4 |

### AUGUST-AOUT

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0330 | .6 | 16 | 0300 | .6 |
| | 0925 | .4 | | 0900 | .3 |
| TU | 1550 | .7 | WE | 1530 | .7 |
| MA | 2215 | .3 | ME | 2155 | .3 |
| 2 | 0410 | .6 | 17 | 0335 | .6 |
| | 1010 | .4 | | 0945 | .3 |
| WE | 1625 | .7 | TH | 1605 | .7 |
| ME | 2250 | .3 | JE | 2225 | .3 |
| 3 | 0445 | .7 | 18 | 0410 | .7 |
| | 1050 | .3 | | 1025 | .3 |
| TH | 1700 | .7 | FR | 1640 | .7 |
| JE | 2320 | .3 | VE | 2255 | .3 |
| 4 | 0520 | .7 | 19 | 0445 | .7 |
| | 1125 | .4 | | 1105 | .3 |
| FR | 1730 | .7 | SA | 1710 | .7 |
| VE | 2350 | .3 | SA | 2325 | .2 |
| 5 | 0555 | .7 | 20 | 0525 | .7 |
| | 1205 | .4 | | 1145 | .3 |
| SA | 1800 | .7 | SU | 1740 | .6 |
| SA | | | DI | 2355 | .2 |
| 6 | 0020 | .3 | 21 | 0605 | .7 |
| | 0630 | .6 | | 1225 | .3 |
| SU | 1235 | .4 | MO | 1810 | .6 |
| DI | 1825 | .6 | LU | | |
| 7 | 0050 | .4 | 22 | 0025 | .2 |
| | 0710 | .6 | | 0655 | .6 |
| MO | 1305 | .4 | TU | 1310 | .3 |
| LU | 1845 | .6 | MA | 1840 | .5 |
| 8 | 0115 | .4 | 23 | 0100 | .2 |
| | 0755 | .6 | | 0755 | .6 |
| TU | 1340 | .5 | WE | 1405 | .4 |
| MA | 1905 | .6 | ME | 1910 | .5 |
| 9 | 0140 | .4 | 24 | 0145 | .3 |
| | 0900 | .6 | | 0915 | .6 |
| WE | 1430 | .5 | TH | 1540 | .4 |
| ME | 1925 | .5 | JE | 2000 | .5 |
| 10 | 0210 | .4 | 25 | 0250 | .3 |
| | 1015 | .6 | | 1040 | .6 |
| TH | 1620 | .5 | FR | 1740 | .4 |
| JE | 2005 | .5 | VE | 2235 | .5 |
| 11 | 0300 | .4 | 26 | 0445 | .4 |
| | 1125 | .6 | | 1205 | .6 |
| FR | 1850 | .5 | SA | 1910 | .4 |
| VE | 2215 | .5 | SA | | |
| 12 | 0435 | .4 | 27 | 0035 | .5 |
| | 1230 | .6 | | 0625 | .4 |
| SA | 1950 | .5 | SU | 1315 | .6 |
| SA | | | DI | 1955 | .4 |
| 13 | 0030 | .5 | 28 | 0145 | .5 |
| | 0610 | .4 | | 0735 | .3 |
| SU | 1325 | .6 | MO | 1400 | .6 |
| DI | 2025 | .4 | LU | 2030 | .3 |
| 14 | 0140 | .5 | 29 | 0230 | .5 |
| | 0720 | .4 | | 0825 | .3 |
| MO | 1410 | .7 | TU | 1440 | .6 |
| LU | 2055 | .4 | MA | 2105 | .3 |
| 15 | 0225 | .6 | 30 | 0305 | .6 |
| | 0815 | .4 | | 0910 | .3 |
| TU | 1450 | .7 | WE | 1520 | .6 |
| MA | 2125 | .4 | ME | 2140 | .3 |
| | | | 31 | 0340 | .6 |
| | | | | 0950 | .3 |
| | | | TH | 1555 | .6 |
| | | | JE | 2215 | .3 |

### SEPTEMBER-SEPTEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0415 | .6 | 16 | 0345 | .6 |
| | 1030 | .3 | | 1015 | .2 |
| FR | 1630 | .6 | SA | 1610 | .5 |
| VE | 2245 | .2 | SA | 2220 | .2 |
| 2 | 0455 | .6 | 17 | 0425 | .6 |
| | 1110 | .3 | | 1055 | .2 |
| SA | 1705 | .6 | SU | 1645 | .5 |
| SA | 2320 | .2 | DI | 2250 | .1 |
| 3 | 0530 | .6 | 18 | 0505 | .6 |
| | 1145 | .3 | | 1135 | .2 |
| SU | 1730 | .5 | MO | 1715 | .5 |
| DI | 2350 | .2 | LU | 2325 | .1 |
| 4 | 0610 | .6 | 19 | 0555 | .6 |
| | 1220 | .3 | | 1220 | .2 |
| MO | 1755 | .5 | TU | 1750 | .5 |
| LU | | | MA | 2355 | .1 |
| 5 | 0010 | .2 | 20 | 0645 | .5 |
| | 0645 | .5 | | 1310 | .2 |
| TU | 1250 | .3 | WE | 1830 | .4 |
| MA | 1815 | .5 | ME | | |
| 6 | 0030 | .3 | 21 | 0035 | .2 |
| | 0725 | .5 | | 0745 | .5 |
| WE | 1325 | .4 | TH | 1405 | .3 |
| ME | 1835 | .5 | JE | 1920 | .4 |
| 7 | 0050 | .3 | 22 | 0120 | .2 |
| | 0810 | .5 | | 0850 | .5 |
| TH | 1410 | .4 | FR | 1515 | .3 |
| JE | 1900 | .5 | VE | 2045 | .4 |
| 8 | 0110 | .3 | 23 | 0245 | .2 |
| | 0910 | .5 | | 1000 | .5 |
| FR | 1525 | .4 | SA | 1640 | .3 |
| VE | 1950 | .4 | SA | 2225 | .4 |
| 9 | 0150 | .3 | 24 | 0435 | .3 |
| | 1020 | .5 | | 1120 | .4 |
| SA | 1725 | .4 | SU | 1800 | .3 |
| SA | 2205 | .4 | DI | | |
| 10 | 0335 | .4 | 25 | 0010 | .4 |
| | 1140 | .5 | | 0620 | .3 |
| SU | 1855 | .4 | MO | 1235 | .5 |
| DI | | | LU | 1900 | .3 |
| 11 | 0010 | .5 | 26 | 0115 | .5 |
| | 0550 | .4 | | 0725 | .3 |
| MO | 1250 | .5 | TU | 1330 | .5 |
| LU | 1935 | .3 | MA | 1940 | .2 |
| 12 | 0110 | .5 | 27 | 0155 | .5 |
| | 0710 | .3 | | 0810 | .2 |
| TU | 1340 | .6 | WE | 1410 | .5 |
| MA | 2010 | .3 | ME | 2020 | .2 |
| 13 | 0150 | .5 | 28 | 0230 | .5 |
| | 0805 | .3 | | 0855 | .2 |
| WE | 1420 | .6 | TH | 1450 | .5 |
| ME | 2045 | .3 | JE | 2100 | .2 |
| 14 | 0230 | .5 | 29 | 0310 | .5 |
| | 0850 | .2 | | 0935 | .2 |
| TH | 1500 | .6 | FR | 1525 | .5 |
| JE | 2115 | .2 | VE | 2135 | .2 |
| 15 | 0305 | .6 | 30 | 0350 | .5 |
| | 0930 | .2 | | 1015 | .2 |
| FR | 1535 | .6 | SA | 1605 | .5 |
| VE | 2145 | .2 | SA | 2210 | .1 |

METRES

## TABLE DES MARÉES

# TUKTOYAKTUK (HNN Z+7)

1989

### OCTOBER-OCTOBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0430 | .5 | 16 | 0410 | .5 |
| | 1055 | .2 | | 1055 | .1 |
| SU | 1635 | .4 | MO | 1630 | .4 |
| DI | 2245 | .1 | LU | 2225 | .0 |
| 2 | 0510 | .5 | 17 | 0500 | .5 |
| | 1130 | .2 | | 1140 | .1 |
| MO | 1710 | .4 | TU | 1710 | .3 |
| LU | 2315 | .1 | MA | 2305 | .0 |
| 3 | 0550 | .5 | 18 | 0550 | .5 |
| | 1205 | .2 | | 1220 | .1 |
| TU | 1735 | .4 | WE | 1755 | .3 |
| MA | 2335 | .1 | ME | 2345 | .1 |
| 4 | 0625 | .5 | 19 | 0640 | .4 |
| | 1240 | .2 | | 1305 | .1 |
| WE | 1800 | .4 | TH | 1845 | .3 |
| ME | 2355 | .2 | JE | | |
| 5 | 0655 | .5 | 20 | 0030 | .1 |
| | 1310 | .2 | | 0730 | .4 |
| TH | 1830 | .4 | FR | 1350 | .2 |
| JE | | | VE | 1940 | .3 |
| 6 | 0015 | .2 | 21 | 0130 | .2 |
| | 0730 | .4 | | 0815 | .4 |
| FR | 1355 | .2 | SA | 1440 | .2 |
| VE | 1915 | .4 | SA | 2040 | .3 |
| 7 | 0045 | .2 | 22 | 0240 | .2 |
| | 0815 | .4 | | 0905 | .3 |
| SA | 1450 | .3 | SU | 1535 | .2 |
| SA | 2025 | .4 | DI | 2155 | .3 |
| 8 | 0145 | .3 | 23 | 0415 | .2 |
| | 0920 | .4 | | 1020 | .3 |
| SU | 1600 | .3 | MO | 1645 | .2 |
| DI | 2145 | .4 | LU | 2325 | .4 |
| 9 | 0330 | .3 | 24 | 0600 | .2 |
| | 1045 | .4 | | 1150 | .3 |
| MO | 1725 | .3 | TU | 1800 | .2 |
| LU | 2320 | .4 | MA | | |
| 10 | 0525 | .3 | 25 | 0030 | .4 |
| | 1205 | .4 | | 0700 | .2 |
| TU | 1830 | .2 | WE | 1250 | .4 |
| MA | | | ME | 1855 | .2 |
| 11 | 0025 | .4 | 26 | 0115 | .4 |
| | 0645 | .2 | | 0750 | .2 |
| WE | 1305 | .5 | TH | 1340 | .4 |
| ME | 1915 | .2 | JE | 1940 | .2 |
| 12 | 0115 | .5 | 27 | 0200 | .4 |
| | 0745 | .2 | | 0830 | .2 |
| TH | 1350 | .5 | FR | 1420 | .4 |
| JE | 2000 | .2 | VE | 2025 | .1 |
| 13 | 0155 | .5 | 28 | 0240 | .5 |
| | 0835 | .1 | | 0915 | .1 |
| FR | 1430 | .4 | SA | 1500 | .4 |
| VE | 2035 | .1 | SA | 2100 | .1 |
| 14 | 0240 | .5 | 29 | 0325 | .5 |
| | 0920 | .1 | | 0955 | .1 |
| SA | 1510 | .4 | SU | 1535 | .4 |
| SA | 2110 | .1 | DI | 2140 | .1 |
| 15 | 0325 | .5 | 30 | 0405 | .5 |
| | 1005 | .1 | | 1040 | .1 |
| SU | 1550 | .4 | MO | 1615 | .3 |
| DI | 2145 | .1 | LU | 2210 | .1 |
| | | | 31 | 0450 | .4 |
| | | | | 1115 | .1 |
| | | | TU | 1650 | .3 |
| | | | MA | 2245 | .1 |

### NOVEMBER-NOVEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0525 | .4 | 16 | 0550 | .4 |
| | 1150 | .1 | | 1215 | .1 |
| WE | 1725 | .3 | TH | 1800 | .3 |
| ME | 2310 | .1 | JE | 2350 | .1 |
| 2 | 0600 | .4 | 17 | 0630 | .4 |
| | 1220 | .1 | | 1250 | .1 |
| TH | 1800 | .3 | FR | 1845 | .3 |
| JE | 2340 | .1 | VE | | |
| 3 | 0630 | .4 | 18 | 0035 | .1 |
| | 1255 | .2 | | 0705 | .4 |
| FR | 1835 | .3 | SA | 1325 | .1 |
| VE | | | SA | 1925 | .3 |
| 4 | 0010 | .2 | 19 | 0125 | .2 |
| | 0705 | .4 | | 0745 | .3 |
| SA | 1330 | .2 | SU | 1400 | .2 |
| SA | 1920 | .3 | DI | 2015 | .3 |
| 5 | 0055 | .2 | 20 | 0220 | .2 |
| | 0750 | .4 | | 0820 | .3 |
| SU | 1415 | .2 | MO | 1445 | .2 |
| DI | 2010 | .4 | LU | 2110 | .4 |
| 6 | 0200 | .2 | 21 | 0325 | .2 |
| | 0840 | .4 | | 0915 | .3 |
| MO | 1510 | .2 | TU | 1540 | .2 |
| LU | 2110 | .4 | MA | 2230 | .4 |
| 7 | 0315 | .2 | 22 | 0505 | .2 |
| | 0955 | .4 | | 1045 | .3 |
| TU | 1615 | .2 | WE | 1700 | .2 |
| MA | 2220 | .4 | ME | 2350 | .4 |
| 8 | 0430 | .2 | 23 | 0625 | .2 |
| | 1115 | .4 | | 1205 | .3 |
| WE | 1720 | .2 | TH | 1810 | .2 |
| ME | 2335 | .4 | JE | | |
| 9 | 0610 | .2 | 24 | 0045 | .4 |
| | 1225 | .4 | | 0720 | .2 |
| TH | 1820 | .2 | FR | 1300 | .3 |
| JE | | | VE | 1905 | .2 |
| 10 | 0035 | .4 | 25 | 0130 | .4 |
| | 0720 | .1 | | 0810 | .2 |
| FR | 1320 | .4 | SA | 1345 | .3 |
| VE | 1915 | .1 | SA | 1950 | .1 |
| 11 | 0130 | .4 | 26 | 0220 | .4 |
| | 0820 | .1 | | 0855 | .1 |
| SA | 1405 | .3 | SU | 1430 | .3 |
| SA | 2000 | .1 | DI | 2030 | .1 |
| 12 | 0225 | .5 | 27 | 0305 | .4 |
| | 0915 | .1 | | 0940 | .1 |
| SU | 1450 | .3 | MO | 1510 | .3 |
| DI | 2045 | .0 | LU | 2110 | .1 |
| 13 | 0315 | .5 | 28 | 0350 | .4 |
| | 1010 | .1 | | 1020 | .1 |
| MO | 1540 | .3 | TU | 1555 | .3 |
| LU | 2130 | .0 | MA | 2145 | .1 |
| 14 | 0410 | .4 | 29 | 0430 | .4 |
| | 1055 | .1 | | 1100 | .1 |
| TU | 1630 | .3 | WE | 1635 | .3 |
| MA | 2215 | .0 | ME | 2220 | .1 |
| 15 | 0505 | .4 | 30 | 0505 | .4 |
| | 1135 | .1 | | 1130 | .1 |
| WE | 1715 | .3 | TH | 1710 | .3 |
| ME | 2300 | .0 | JE | 2255 | .1 |

### DECEMBER-DECEMBRE

| Day | Time | Ht./m | Jour | Heure | H./m |
|---|---|---|---|---|---|
| 1 | 0540 | .4 | 16 | 0610 | .4 |
| | 1200 | .1 | | 1230 | .1 |
| FR | 1745 | .4 | SA | 1825 | .4 |
| VE | 2330 | .1 | SA | | |
| 2 | 0610 | .4 | 17 | 0025 | .1 |
| | 1235 | .1 | | 0640 | .4 |
| SA | 1820 | .4 | SU | 1300 | .1 |
| SA | | | DI | 1905 | .4 |
| 3 | 0010 | .1 | 18 | 0105 | .2 |
| | 0645 | .4 | | 0710 | .4 |
| SU | 1305 | .1 | MO | 1330 | .2 |
| DI | 1855 | .4 | LU | 1940 | .4 |
| 4 | 0055 | .2 | 19 | 0145 | .2 |
| | 0720 | .4 | | 0745 | .4 |
| MO | 1345 | .2 | TU | 1405 | .2 |
| LU | 1940 | .4 | MA | 2030 | .4 |
| 5 | 0145 | .2 | 20 | 0230 | .2 |
| | 0810 | .4 | | 0820 | .3 |
| TU | 1430 | .2 | WE | 1450 | .2 |
| MA | 2030 | .4 | ME | 2140 | .4 |
| 6 | 0245 | .2 | 21 | 0350 | .2 |
| | 0905 | .4 | | 0915 | .3 |
| WE | 1520 | .2 | TH | 1600 | .2 |
| ME | 2135 | .4 | JE | 2315 | .4 |
| 7 | 0355 | .2 | 22 | 0540 | .2 |
| | 1015 | .4 | | 1050 | .3 |
| TH | 1620 | .2 | FR | 1725 | .2 |
| JE | 2255 | .4 | VE | | |
| 8 | 0530 | .2 | 23 | 0020 | .4 |
| | 1135 | .3 | | 0655 | .2 |
| FR | 1730 | .1 | SA | 1210 | .3 |
| VE | | | SA | 1825 | .2 |
| 9 | 0010 | .4 | 24 | 0115 | .4 |
| | 0705 | .2 | | 0755 | .2 |
| SA | 1240 | .3 | SU | 1305 | .3 |
| SA | 1835 | .1 | DI | 1915 | .2 |
| 10 | 0120 | .4 | 25 | 0200 | .4 |
| | 0820 | .2 | | 0845 | .2 |
| SU | 1345 | .3 | MO | 1400 | .3 |
| DI | 1935 | .1 | LU | 2000 | .1 |
| 11 | 0225 | .4 | 26 | 0250 | .5 |
| | 0920 | .1 | | 0925 | .2 |
| MO | 1440 | .3 | TU | 1450 | .3 |
| LU | 2030 | .1 | MA | 2040 | .1 |
| 12 | 0320 | .4 | 27 | 0330 | .5 |
| | 1010 | .1 | | 1005 | .1 |
| TU | 1535 | .3 | WE | 1535 | .3 |
| MA | 2125 | .0 | ME | 2125 | .1 |
| 13 | 0410 | .4 | 28 | 0405 | .5 |
| | 1050 | .1 | | 1035 | .1 |
| WE | 1625 | .3 | TH | 1615 | .4 |
| ME | 2215 | .0 | JE | 2200 | .1 |
| 14 | 0455 | .4 | 29 | 0440 | .5 |
| | 1125 | .1 | | 1110 | .1 |
| TH | 1710 | .3 | FR | 1645 | .4 |
| JE | 2300 | .1 | VE | 2240 | .1 |
| 15 | 0535 | .4 | 30 | 0515 | .5 |
| | 1155 | .1 | | 1140 | .1 |
| FR | 1750 | .4 | SA | 1720 | .4 |
| VE | 2345 | .1 | SA | 2320 | .1 |
| | | | 31 | 0545 | .5 |
| | | | | 1205 | .1 |
| | | | SU | 1750 | .4 |
| | | | DI | 2355 | .1 |

**METRES**

# Publications

***Canadian Tide and Current Tables*** - published in six volumes:

Volume 1
Atlantic Coast and Bay of Fundy

Volume 2
Gulf of St. Lawrence

Volume 3
St. Lawrence and Saguenay Rivers

Volume 4
Arctic and Hudson Bay

Volume 5
Juan de Fuca Strait and Strait of Georgia

Volume 6
Barkley Sound and Discovery Passage to Dixon Entrance.

Composite volumes are also available
Atlantic Coast - Volumes 1-4
Pacific Coast - Volumes 5 and 6

These books contain daily tide and current tables for selected Reference Ports and Current Stations, time and height differences for Secondary Ports and time differences and rates for Secondary Current Stations.

***Tides in Canadian Waters*** - an informative booklet containing an outline of the theory of tides along with descriptions and maps of the types which are found in Canadian waters.

***Water Levels*** - a yearly publication in up to three volumes containing tabulated daily mean water levels, times and heights of observed high and low water and other information pertaining to the present Canadian Hydrographic Service permanent gauges.

***Monthly and Yearly Mean Water Levels*** - a supplement to "Water Levels" issued regularly in up to two volumes containing tabulated monthly and yearly mean water levels for the full period of operation of both past and present Canadian Hydrographic Service permanent gauges. Also presented are ten-year and all-time averages of the monthly and yearly mean levels.

***Tide and Water Level Bench Marks*** - a publication, in seven volumes, containing a comprehensive list of bench marks which are referred to the datum of Canadian Hydrographic Service charts and which are located along the coasts and on the shores covered by these charts. The number or name of each bench mark is given, along with its height above chart datum, and a full description of its location. A sketch showing the position of the bench mark in relation to nearby landmarks is usually included.

# Publications

***Tables des marées et courants du Canada*** - publiées en six volumes:

Volume 1
Côte de l'Atlantique et baie de Fundy

Volume 2
Golfe du Saint-Laurent

Volume 3
Fleuve Saint-Laurent et rivière Saguenay

Volume 4
L'Arctique et la baie d'Hudson

Volume 5
Détroits de Juan de Fuca et de Georgia

Volume 6
Baie Barkley et passage Discovery jusqu'à l'entrée Dixon.

On peut se procurer ces volumes sous forme combinée
Côte Atlantique - Volumes 1-4
Côte Pacifique - Volumes 5 et 6

Ces publications renferment des tables quotidiennes des marées et des courants pour certains ports de référence et stations de référence des courants, les différences de temps et de hauteur pour les ports secondaires, ainsi que les différences de temps et les vitesses des courants pour les stations secondaires des courants.

***Les marées dans les eaux du Canada*** - brochure contenant un exposé sommaire de la théorie à propos des marées ainsi que des descriptions et des cartes des types de marées qui se produisent dans les eaux du Canada.

***Niveaux d'eau*** - publications annuelle pouvant comprendre trois volumes et donnant sous forme de tableaux les niveaux quotidiens moyens de l'eau, les heures et les hauteurs observées des pleines mers et des basses mers, ainsi que d'autres renseignements relatifs aux jauges permanentes actuellement utilisées par le Service hydrographique du Canada.

***Moyennes mensuelles et annuelles des niveaux d'eau*** - publication régulière servant de complément aux "Niveaux d'eau", pouvant comprendre deux volumes et donnant sous forme de tableaux les niveaux mensuels et annuels moyens de l'eau enregistrés pendant toute la période de fonctionnement des jauges permanentes, anciennes et actuelles, du Service hydrographique du Canada. On y donne également les moyennes des niveaux mensuels et annuels moyens de l'eau calculées pour des périodes de dix années, ainsi que pour toute la période de fonctionnement des jauges.

***Marées et niveaux de l'eau-repères de nivellement*** - publication en sept volumes donnant la liste détaillée des repères de nivellement dont l'élévation est donnée par rapport au zéro des cartes marines du Service hydrographique du Canada et qui se trouvent le long des côtes et des rivages représentés sur ces cartes. On y donne le numéro ou le nom de chaque repère, sa hauteur au-dessus du zéro des cartes et la description complète de sa posit. On inclut habituellement un croquis montrant la position du repère par rapport aux bornes situées à proximité.

Six of the volumes have the same names and geographical boundaries as the six volumes of the Canadian Tide and Current Tables. The title of the seventh volume is *Great Lakes and St. Lawrence River (non-tidal)* and its boundaries include the Canadian shores of the Great Lakes and the non-tidal part of the St. Lawrence River.

***Canadian Tidal Manual*** - an authoritative reference on the theory and procedures involved in gathering and using tide, current, and water level information during hydrographic surveys and other related activities.

***Tidal Current Atlases***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel B.C.
- Current Atlas/Atlas des courants, Juan de Fuca Strait to à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Current Charts, St. Lawrence Estuary

Copies of the foregoing publications may be obtained from the Hydrographic Chart Distribution Office of the Canadian Hydrographic Service at Ottawa, Ontario (Postal Code K1G 3H6), or Sidney, British Columbia (Postal code V8L 4B2).

## Search and Rescue Service

The Master of any vessel in distress and requiring assistance or anyone with knowledge of a vessel in distress should, in addition to using any appropriate means for soliciting the needed assistance, also communicate immediately with appropriate Rescue Coordination Centre (RCC) or Marine Rescue Sub-Centre (MRSC). Distress and safety communication messages may be sent without charge through any Coast Guard Radio Station or a Vessel Traffic Systems (VTS) Centre or relayed by any Canadian Coast Guard ship.

Distress reports may be telephoned directly to the appropriate RCC or MRSC without charge by calling the operator and stating "Marine Distress".

| | | Area Code | Telephone |
|---|---|---|---|
| Newfoundland and Labrador | MRSC St. John's, Nfld. | 709 | 772-5151 |
| Atlantic Region | RCC Halifax, N.S. | 902 | 426-4730 or 1-800-565-1582 |
| St. Lawrence River | MRSC Quebec, Que. | 418 | 648-3599 or 1-800-463-4393 |
| Great Lakes Area | RCC Trenton, Ont. | 613 | 392-2811 Local 3870 or 1-800-267-7270 |
| Arctic Region | RCC Edmonton, Alta. | 403 | 973-4402 |
| West Coast | RCC Victoria, B.C. | 604 | 380-2333 or 666-8067 or 1-800-742-1313 |

These Rescue Centres maintain an up-to-date record of the location of all government ships and will direct assistance to relieve the distress situation.

De ces sept volumes, six ont le même titre et les mêmes bornes géographiques que les six volumes des Tables des marées et courants du Canada. Le denier, "*Les Grands Lacs et le fleuve Saint-Laurent (eaux sans marée)*", se rapporte aux rives canadiennes des Grands Lacs et au cours du Saint-Laurent non soumis à l'action des marées.

***Manuel canadien des marées*** - Ouvrage de référence qui fait autorité en ce qui concerne la théorie et les procédures liées à la collecte et à l'utilisation des données sur les marées, les courants et les niveaux d'eau dans le domaine des levés hydrographiques et d'autres activités connexes.

***Atlas des courants de marée***
- Tidal Current Charts, Vancouver Harbour
- Tidal Current Charts, Yuculta Rapids, Cordero Channel, B.C.
- Current Atlas/Atlas des courants, Juan de Fuca Strait to à Strait of Georgia
- Tidal Currents, Bay of Fundy and Gulf of Maine
- Tidal Currents Charts, St Lawrence Estuary

Des exemplaires des publications mentionnées ci-dessus peuvent être obtenus après du Bureau de distribution des cartes hydrographiques du Service hydrographique du Canada, à Ottawa, Ontario (code postal K1G 3H6), ou à Sidney, Colombie-Britannique (code postal V8L 4B2).

## Service recherche et sauvetage

Tout capitaine de navire en détresse requérant de l'aide ou toute personne ayant connaissance d'un navire en détresse devrait, en plus d'utiliser toute méthode appropriée à l'obtention de l'assistance nécessaire, communiquer immédiatement avec le Centre de coordination du sauvetage (CCS) ou le Centre secondaire du sauvetage maritime (CSSM) le plus rapproché. Les messages de détresse et de communication sur la securité peuvent être envoyés, sans frais, par l'intermédiaire de toute station de radio de la Garde côtière ou d'un Centre de systèmes du trafic maritime (STM) ou encore relayés par tout navire de la Garde côtière canadienne.

On peut téléphoner directement et sans frais au CCS ou au CSSM le plus rapprochée en appelant le téléphoniste et en lui mentionnant "Détresse maritime".

| | | Indicatif régional | N° de téléphone |
|---|---|---|---|
| Terre-Neuve et Labrador | CSSM St. John's, T.-N. | 709 | 772-5151 |
| Région de l'Atlantique | CCS Halifax, N.-É. | 902 | 426-4730 ou 1-800-565-1582 |
| Fleuve Saint-Laurent | CSSM Québec, QC | 418 | 648-3599 ou 1-800-463-4393 |
| Zone des Grands Lacs | CCS Trenton, Ont. | 613 | 392-2811 Poste 3870 ou 1-800-267-7270 |
| Région de l'Arctique | CCS Edmonton, Alta. | 403 | 973-4402 |
| Côte Ouest | CCS Victoria, C.-B. | 604 | 380-2333 ou 666-8087 ou 1-800-742-1313 |

Ces centres de sauvetage sont sans cesse informés de la position de tous les navires du gouvernement canadien en mesure d'apporter du secours et de mettre fin à la situation de détresse.

## Canadian Supplementary Predictions

Hourly tide or current predictions can be supplied for all reference ports or current stations in this book. High and low or hourly tide predictions can also be supplied for most secondary ports in table 3 except for those which the height of "mean water level" is omitted. The hourly predictions are available with either English or French headings and in feet or metres, and knots, while the high and low predictions are available with bilingual headings and in feet or metres. The predictions are normally supplied in the form of computer listings, however selected computer compatible formats are also available. Standard fees are charged for the preparation of supplementary predictions. A schedule of these fees is available upon request.

While this service is intended principally for harbour or pilotage authorities, fleet operators, engineers, etc. who may have a specific requirement for custom predictions, it is available to anyone with a need for it. The right is reserved to modify the service, and to adjust the prediction fee, at any time, without further notice.

These predictions, which are prepared for the convenience of users, are supplements to, and not replacements for the Canadian Tide and Current Tables, which are the official tidal predictions for Canada.

Requests for this Service, specifying the index number and the name of the port or station, and the period and options selected, should be made to:

**Canadian Hydrographic Service**
**Department of Fisheries and Oceans**

at: **Dartmouth, N.S.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, B.C.**
**V8L 4B2**

or to: **Marine Environmental Data Service**
**Science**
**Department of Fisheries and Oceans**
**Ottawa, Ontario K1A 0E6**

## Prédictions supplémentaires canadiennes

Les prédictions horaires de la marée ou du courant peuvent être fournies pour tous les ports de référence ou toutes les stations de référence des courants mentionnées dans la présente publication. Les prédictions des marées basses et hautes aussi bien que les prédictions horaires peuvent également être données pour la plupart des ports secondaires énumérés à la table 3, exception faite de ceux dont le niveau moyen de l'eau n'est pas indiqué. Les prédictions horaires sont disponibles en anglais ou en français avec indications en pieds ou en mètres et en noeuds. Les prédictions des marées basses et hautes sont dans un version bilingue, avec indications en pieds ou en mètres. Les prédictions sont normalement fournies sous forme d'imprimés d'ordinateur cependant certains autres formats générés par ordinateur sont aussi disponibles. Des droits seront perçus pour les prédictions supplémentaires. Un barème est disponible sur demande.

Bien que ce service soit principalement réservé aux autorités portuaires, aux administrations du pilotage, aux transporteurs maritimes, aux ingénieurs, etc., qui peuvent avoir un besoin particulier de faire des prédictions à des fins précises, il est accessible à toute personne intéressée. Nous nous réservons le droit de le modifier, à tout moment et sans préavis, ainsi que le montant du droit.

Préparées à l'intention des utilisateurs, ces prédictions complètent mais ne remplacent pas les Tables des marées et courants du Canada, qui constituent les prédictions officielles des marées au Canada.

Les demandes, avec indication du numéro d'index et du nom du port ou de la station, et de la période, et des options devraient être adressées au:

**Service hydrographique du Canada**
**Ministère des Pêches et des Océans**

à **Dartmouth, N.-É.**
**B2Y 4A2**

**Mont-Joli, Québec**
**G5H 3Z4**

**Burlington, Ont.**
**L7R 4A6**

**Sidney, C.-B.**
**V8L 4B2**

ou au **Service des données sur le milieu marin**
**Science**
**Ministère des Pêches et des Océans**
**Ottawa, Ontario K1A 0E6**

# CONVERSION TABLE

## METRES TO FEET

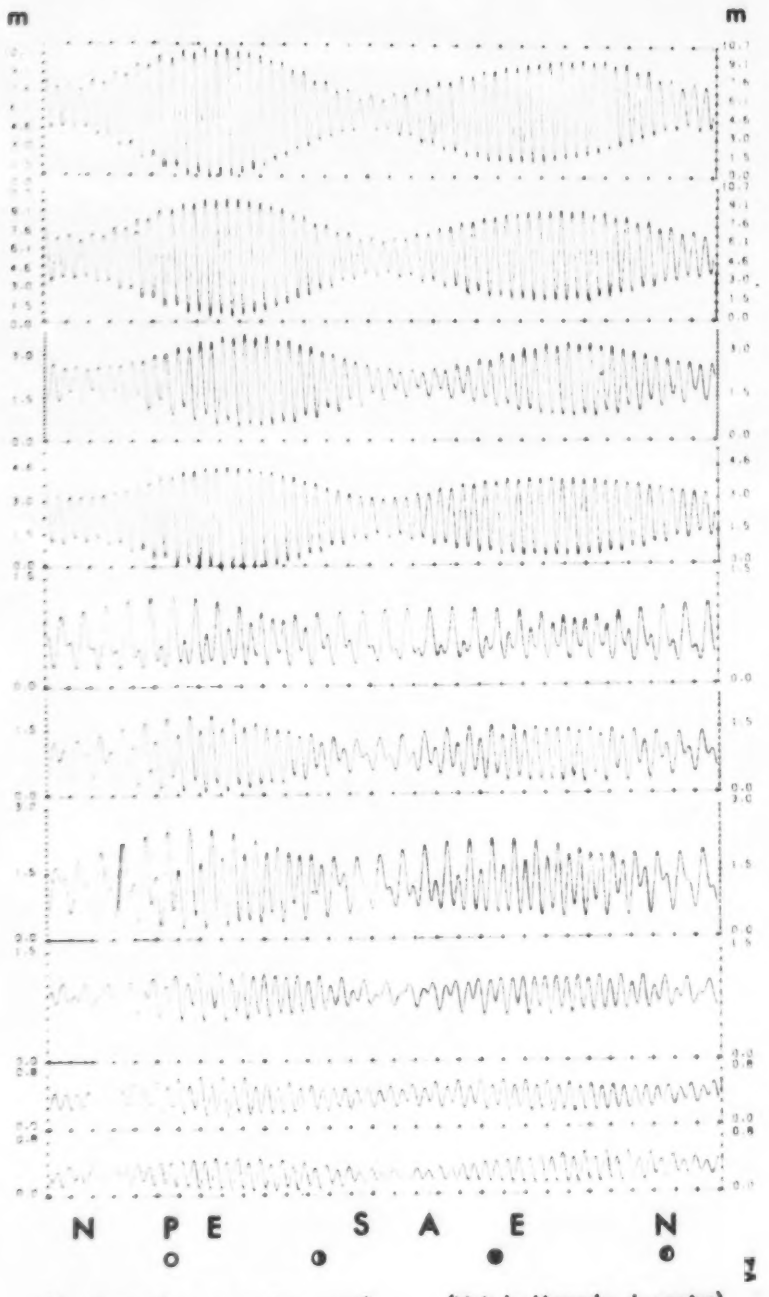
# TABLE DE CONVERSION

## METRES EN PIEDS

| Metres | Ft/Pi | Metres | Ft Pi | Metres | Ft Pi | Metres | Ft Pi | Metres | Ft Pi | Metres | Ft Pi | Metres | Ft Pi | Metres | Ft Pi |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 05 | 0.16 | 2.30 | 7.55 | 4.55 | 14.93 | 6 80 | 22.31 | 9 05 | 29.69 | 11 30 | 37.07 | 13 55 | 44 46 | 15 80 | 51.84 |
| 0.10 | 0.33 | 2.35 | 7.71 | 4.60 | 15.09 | 6 85 | 22.47 | 9 10 | 29.86 | 11 35 | 37.24 | 13 60 | 44.62 | 15 85 | 52.00 |
| 0.15 | 0.49 | 2.40 | 7.87 | 4.65 | 15.26 | 6.90 | 22.64 | 9 15 | 30.02 | 11 40 | 37.40 | 13 65 | 44.78 | 15 90 | 52.17 |
| 0.20 | 0.66 | 2 45 | 8.04 | 4 70 | 15.42 | 6 95 | 22.80 | 9 20 | 30.18 | 11 45 | 37.57 | 13 70 | 44.95 | 15 95 | 52.33 |
| 0.25 | 0.82 | 2 50 | 8.20 | 4 75 | 15.58 | 7 00 | 22.97 | 9 25 | 30.35 | 11 50 | 37.73 | 13 75 | 45.11 | 16 00 | 52.49 |
| 0.30 | 0.98 | 2.55 | 8.37 | 4.80 | 15.75 | 7 05 | 23.13 | 9 30 | 30.51 | 11 55 | 37.89 | 13 80 | 45.28 | 16 05 | 52.66 |
| 0 35 | 1.15 | 2 60 | 8.53 | 4 85 | 15.91 | 7 10 | 23.29 | 9 35 | 30.68 | 11 60 | 38.06 | 13 85 | 45.44 | 16 10 | 52.82 |
| 0 40 | 1.31 | 2 65 | 8.69 | 4 90 | 16.08 | 7 15 | 23.46 | 9 40 | 30.84 | 11 65 | 38.22 | 13 90 | 45.60 | 16 15 | 52.99 |
| 0 45 | 1.48 | 2 70 | 8.86 | 4 95 | 16.24 | 7 20 | 23.62 | 9 45 | 31.00 | 11 70 | 38.39 | 13 95 | 45.77 | 16 20 | 53.15 |
| 0 50 | 1.64 | 2 75 | 9.02 | 5 00 | 16.40 | 7 25 | 23.79 | 9 50 | 31.17 | 11 75 | 38.55 | 14 00 | 45.93 | 16 25 | 53.31 |
| 0 55 | 1.80 | 2 80 | 9.19 | 5 05 | 16.57 | 7 30 | 23.95 | 9 55 | 31.33 | 11 80 | 38.71 | 14 05 | 46.10 | 16 30 | 53.48 |
| 0 60 | 1.97 | 2 85 | 9.35 | 5 10 | 16.73 | 7 35 | 24.11 | 9 60 | 31.50 | 11 85 | 38.88 | 14 10 | 46.26 | 16 35 | 53.64 |
| 0 65 | 2.13 | 2 90 | 9.51 | 5 15 | 16.90 | 7 40 | 24.28 | 9 65 | 31.66 | 11 90 | 39.04 | 14 15 | 46.42 | 16 40 | 53.81 |
| 0.70 | 2.30 | 2.95 | 9.68 | 5 20 | 17.06 | 7 45 | 24.44 | 9 70 | 31.82 | 11 95 | 39.21 | 14 20 | 46.59 | 16 45 | 53.97 |
| 0.75 | 2.46 | 3.00 | 9.84 | 5 25 | 17.22 | 7 50 | 24.61 | 9 75 | 31.99 | 12 00 | 39.37 | 14 25 | 46.75 | 16 50 | 54.13 |
| 0.80 | 2.62 | 3.05 | 10.01 | 5.30 | 17.39 | 7 55 | 24.77 | 9 80 | 32.15 | 12 05 | 39.53 | 14 30 | 46.92 | 16 55 | 54.30 |
| 0.85 | 2.78 | 3.10 | 10.17 | 5.35 | 17.55 | 7 60 | 24.93 | 9 85 | 32.32 | 12 10 | 39.70 | 14 35 | 47.08 | 16 60 | 54.46 |
| 0.90 | 2.95 | 3.15 | 10.33 | 5.40 | 17.72 | 7 65 | 25.10 | 9 90 | 32.48 | 12 15 | 39.86 | 14 40 | 47.24 | 16 65 | 54.63 |
| 0.95 | 3.12 | 3.20 | 10.50 | 5.45 | 17.88 | 7 70 | 25.26 | 9 95 | 32.64 | 12 20 | 40.03 | 14 45 | 47.41 | 16 70 | 54.79 |
| 1.00 | 3.28 | 3.25 | 10.66 | 5.50 | 18.04 | 7 75 | 25.43 | 10 00 | 32.81 | 12 25 | 40.19 | 14 50 | 47.57 | 16 75 | 54.95 |
| 1.05 | 3.44 | 3.30 | 10.83 | 5.55 | 18.21 | 7 80 | 25.59 | 10 05 | 32.97 | 12 30 | 40.35 | 14 55 | 47.74 | 16 80 | 55.12 |
| 1.10 | 3.61 | 3.35 | 10.99 | 5.60 | 18.37 | 7 85 | 25.75 | 10 10 | 33.14 | 12 35 | 40.52 | 14 60 | 47.90 | 16 85 | 55.28 |
| 1.15 | 3.77 | 3.40 | 11.15 | 5.65 | 18.54 | 7 90 | 25.92 | 10 15 | 33.30 | 12 40 | 40.68 | 14 65 | 48.06 | 16 90 | 55.45 |
| 1.20 | 3.94 | 3.45 | 11.32 | 5.70 | 18.70 | 7 95 | 26.08 | 10 20 | 33.46 | 12 45 | 40.85 | 14 70 | 48.23 | 16 95 | 55.61 |
| 1.25 | 4.10 | 3.50 | 11.48 | 5.75 | 18.86 | 8 00 | 26.25 | 10 25 | 33.63 | 12 50 | 41.01 | 14 75 | 48.39 | 17 00 | 55.77 |
| 1.30 | 4.27 | 3.55 | 11.65 | 5.80 | 19.03 | 8 05 | 26.41 | 10 30 | 33.79 | 12 55 | 41.17 | 14 80 | 48.56 | 17 05 | 55.94 |
| 1.35 | 4.43 | 3.60 | 11.81 | 5.85 | 19.19 | 8.10 | 26.57 | 10 35 | 33.96 | 12 60 | 41.34 | 14 85 | 48.72 | 17 10 | 56.10 |
| 1.40 | 4.59 | 3.65 | 11.98 | 5.90 | 19.36 | 8 15 | 26.74 | 10 40 | 34.12 | 12 65 | 41.50 | 14 90 | 48.88 | 17 15 | 56.27 |
| 1.45 | 4.76 | 3.70 | 12.14 | 5.95 | 19.52 | 8 20 | 26.90 | 10 45 | 34.28 | 12 70 | 41.67 | 14 95 | 49.05 | 17 20 | 56.43 |
| 1.50 | 4.92 | 3.75 | 12.30 | 6.00 | 19.68 | 8 25 | 27.07 | 10 50 | 34.45 | 12 75 | 41.83 | 15 00 | 49.21 | 17 25 | 56.59 |
| 1.55 | 5.09 | 3.80 | 12.47 | 6.05 | 19.85 | 8 30 | 27.23 | 10 55 | 34.61 | 12 80 | 41.99 | 15 05 | 49.38 | 17 30 | 56.76 |
| 1.60 | 5.25 | 3.85 | 12.63 | 6.10 | 20.01 | 8 35 | 27.39 | 10 60 | 34.78 | 12 85 | 42.16 | 15 10 | 49.54 | 17 35 | 56.92 |
| 1.65 | 5.41 | 3.90 | 12.80 | 6.15 | 20.18 | 8.40 | 27.56 | 10 65 | 34.94 | 12 90 | 42.32 | 15 15 | 49.70 | 17 40 | 57.09 |
| 1.70 | 5.58 | 3.95 | 12.96 | 6.20 | 20.34 | 8 45 | 27.72 | 10 70 | 35.10 | 12 95 | 42.49 | 15 20 | 49.87 | 17 45 | 57.25 |
| 1.75 | 5.74 | 4.00 | 13.12 | 6.25 | 20.51 | 8.50 | 27.89 | 10 75 | 35.27 | 13 00 | 42.65 | 15 25 | 50.03 | 17 50 | 57.41 |
| 1.80 | 5.91 | 4.05 | 13.29 | 6.30 | 20.67 | 8.55 | 28.05 | 10 80 | 35.43 | 13 05 | 42.81 | 15 30 | 50.20 | 17 55 | 57.58 |
| 1.85 | 6.07 | 4.10 | 13.45 | 6.35 | 20.83 | 8.60 | 28.22 | 10 85 | 35.60 | 13 10 | 42.98 | 15 35 | 50.36 | 17 60 | 57.74 |
| 1.90 | 6.23 | 4.15 | 13.62 | 6.40 | 21.00 | 8.65 | 28.38 | 10 90 | 35.76 | 13 15 | 43.14 | 15 40 | 50.52 | 17 65 | 57.91 |
| 1.95 | 6.40 | 4.20 | 13.78 | 6.45 | 21.16 | 8 70 | 28.54 | 10 95 | 35.93 | 13 20 | 43.31 | 15 45 | 50.69 | 17 70 | 58.07 |
| 2.00 | 6.56 | 4.25 | 13.94 | 6.50 | 21.33 | 8 75 | 28.71 | 11 00 | 36.09 | 13 25 | 43.47 | 15 50 | 50.85 | 17 75 | 58.23 |
| 2.05 | 6.73 | 4.30 | 14.11 | 6.55 | 21.49 | 8 80 | 28.87 | 11.05 | 36.25 | 13 30 | 43.64 | 15 55 | 51.02 | 17 80 | 58.40 |
| 2.10 | 6.89 | 4.35 | 14.27 | 6.60 | 21.65 | 8.85 | 29.04 | 11.10 | 36.42 | 13 35 | 43.80 | 15 60 | 51.18 | 17.85 | 58.56 |
| 2.15 | 7.05 | 4.40 | 14.44 | 6.65 | 21.82 | 8 90 | 29.20 | 11.15 | 36.58 | 13 40 | 43.96 | 15 65 | 51.35 | 17 90 | 58.73 |
| 2.20 | 7.22 | 4.45 | 14.60 | 6.70 | 21.98 | 8.95 | 29.36 | 11.20 | 36.75 | 13.45 | 44.13 | 15 70 | 51.51 | 17 95 | 58.89 |
| 2.25 | 7.38 | 4.50 | 14.76 | 6.75 | 22.15 | 9.00 | 29.53 | 11.25 | 36.91 | 13.50 | 44.29 | 15 75 | 51.67 | 18 00 | 59.05 |

# Typical Tidal Curves

# Courbes Typiques des Marées




(See legend on opposite page)

(Voir la légende ci-contre)

**LEGEND**

● new moon
◐ first quarter
○ full moon
◑ last quarter
A – moon in apogee
P – moon in perigee
E – moon on equator
N – moon farthest north of equator
S – moon farthest south of equator

***LÉGENDE***

● nouvelle lune
◐ premier quartier
○ pleine lune
◑ dernier quartier
A – apogée
P – périgée
E – lune à l'équateur
N – position la plus au nord
S – position la plus au sud.

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*Names in capital letters indicate reference ports for which daily predictions are given.

*Les noms en majuscules indiquent les ports de référence pour lesquels on donne des prédictions quotidiennes.

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*Names in capital letters indicate reference ports for which daily predictions are given.

*Les noms en majuscules indiquent les ports de référence pour lesquels on donne des prédictions quotidiennes.

# 1989

| SUN | MON | TUE | WED | THU | FRI | SAT |
|---|---|---|---|---|---|---|
| | | | | | | |
| **January - Janvier** | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6S | ● |
| 8 | 9 | 10P | 11 | 12E | 13 | ◐ |
| 15 | 16 | 17 | 18N | 19 | 20 | ○ |
| 22 | 23 | 24 | 25 | 26AE | 27 | 28 |
| ◑ | 30 | 31 | | | | |
| **February - Février** | | | | | | |
| | | | 1 | 2S | 3 | 4 |
| 5 | ● | 7P | 8E | 9 | 10 | 11 |
| ◐ | 13 | 14 | 15N | 16 | 17 | 18 |
| 19 | ○ | 21 | 22E | 23A | 24 | 25 |
| 26 | 27 | ◑ | | | | |
| **March - Mars** | | | | | | |
| | | | 1S | 2 | 3 | 4 |
| 5 | 6 | ● | 8PE | 9 | 10 | 11 |
| 12 | 13 | ◐N | 15 | 16 | 17 | 18 |
| 19 | 20 | 21E | ○A | 23 | 24 | 25 |
| 26 | 27 | 28 | 29S | ◑ | 31 | |
| **April - Avril** | | | | | | |
| | | | | | | 1 |
| 2 | 3 | 4E | ●P | 6 | 7 | 8 |
| 9 | 10N | 11 | ◐ | 13 | 14 | 15 |
| 16 | 17E | 18A | 19 | ○ | 21 | 22 |
| 23 | 24 | 25S | 26 | 27 | ◑ | 29 |
| 30 | | | | | | |
| **May - Mai** | | | | | | |
| | 1E | 2 | 3P | 4 | ● | 6 |
| 7 | 8N | 9 | 10 | 11 | ◐ | 13 |
| 14 | 15E | 16A | 17 | 18 | 19 | ○ |
| 21 | 22S | 23 | 24 | 25 | 26 | ◑ |
| 28 | 29E | 30 | 31P | | | |
| **June - Juin** | | | | | | |
| | | | | 1 | 2 | ● |
| 4N | 5 | 6 | 7 | 8 | 9 | 10 |
| ◐E | 12A | 13 | 14 | 15 | 16 | 17 |
| 18S | ○ | 20 | 21 | 22 | 23 | 24 |
| 25E | ◑ | 27P | 28 | 29 | 30 | |

| DIM | LUN | MAR | MER | JEU | VEN | SAM |
|---|---|---|---|---|---|---|
| | | | | | | |
| **July - Juillet** | | | | | | |
| | | | | | | 1N |
| ● | 3 | 4 | 5 | 6 | 7 | 8E |
| 9 | ◐A | 11 | 12 | 13 | 14 | 15 |
| 16S | 17 | ○ | 19 | 20 | 21 | 22E |
| 23P | 24 | ◑ | 26 | 27 | 28 | 29N |
| 30 | 31 | | | | | |
| **August - Août** | | | | | | |
| | | ● | 2 | 3 | 4 | 5E |
| 6 | 7A | 8 | ◐ | 10 | 11 | 12S |
| 13 | 14 | 15 | ○ | 17 | 18E | 19P |
| 20 | 21 | 22 | ◑ | 24 | 25N | 26 |
| 27 | 28 | 29 | ● | 31 | | |
| **September - Septembre** | | | | | | |
| | | | | | 1E | 2 |
| 3 | 4A | 5 | 6 | 7 | ◐S | 9 |
| 10 | 11 | 12 | 13 | 14 | ○E | 16P |
| 17 | 18 | 19 | 20 | ◑N | 22 | 23 |
| 24 | 25 | 26 | 27 | 28E | ● | 30 |
| **October - Octobre** | | | | | | |
| 1A | 2 | 3 | 4 | 5 | 6S | ◐ |
| 8 | 9 | 10 | 11 | 12E | 13 | ○P |
| 15 | 16 | 17 | 18N | 19 | 20 | ◑ |
| 22 | 23 | 24 | 25E | 26 | 27 | 28A |
| ● | 30 | 31 | | | | |
| **November - Novembre** | | | | | | |
| | | | 1 | 2S | 3 | 4 |
| 5 | ◐ | 7 | 8 | 9E | 10 | 11 |
| ○P | 13 | 14 | 15N | 16 | 17 | 18 |
| ◑ | 20 | 21 | 22E | 23 | 24A | 25 |
| 26 | 27 | ● | 29S | 30 | | |
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| | | | | | 1 | 2 |
| 3 | 4 | ◐ | 6E | 7 | 8 | 9 |
| 10P | 11 | ○N | 13 | 14 | 15 | 16 |
| 17 | 18 | ◑E | 20 | 21 | 22A | 23 |
| 24 | 25 | 26S | ● | 28 | 29 | 30 |
| 31 | | | | | | |

LEGEND
- ● new moon
- ◐ first quarter
- ○ full moon
- ◑ last quarter
- A - moon in apogee
- P - moon in perigee
- E - moon on equator
- N - moon farthest north of equator
- S - moon farthest south of equator

LEGENDE
- ● nouvelle lune
- ◐ premier quartier
- ○ plein lune
- ◑ dernier quartier
- A - apogée
- P - périgée
- E - lune à l'équateur
- N - position la plus au nord
- S - position la plus au sud

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